VTEKE®

SAMPLE EDITION

VTEKE Product Catalog 2026 — Sample edition

Full product range · 2026 — built from the product data VTEKE maintain for the website, to show how the catalog downloads. The official catalog will replace it.

71	7	2026
Products	Categories	Edition



Full product range · 2026

Current Transformers

27 products · Toroidal Current Transformers · Split Core Current Transformers · Core Balance Current Transformers (CBCT) · Summation Current Transformer

Toroidal Current Transformers



BK

BK Series Toroidal Current Transformer

The VTEKE BK Series is a busbar-type current transformer designed for current measurement in low-voltage electrical systems. Unlike conventional window-type current transformers, the BK Series features an integrated primary busbar connection, providing a compact and practical solution for direct integration into electrical panels and distribution systems. Different current ratios, accuracy classes and rated burden (VA) options are available according to measurement requirements.

KEY FEATURES

- Built-in bar type current transformer
- Primary current range: 5–200 A
- Integrated primary busbar: 25 × 3 mm
- No external conductor window required
- Plate-mounted design
- Compact construction for panel integration
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 15 VA
Accuracy Class	Class 0.5S, Class 0.5, Class 1.0
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Plate Mounted, KK0001
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	25 × 3 built-in busbar

Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	5 A to 200 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2

BK1C



BK1C Series Toroidal Current Transformer

The VTEKE BK1C Series is a compact current transformer designed with terminal connections for both primary and secondary circuits. Unlike conventional window-type current transformers, the primary conductor does not need to pass through the CT, allowing direct electrical connection through the terminals. This design provides a practical solution for current measurement in compact panels, equipment and applications where simplified wiring and space-efficient installation are required.

KEY FEATURES

- Closed-body current transformer
- Primary current range: 1–50 A
- Primary and secondary connections through top terminals
- No conductor window required
- On-plate mounting
- Compact terminal-connected construction
- Suitable for direct integration into electrical equipment

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 5 VA
Accuracy Class	Class 0.5, Class 1.0
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	On plate
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV

Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	1 A to 50 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1.2 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



CK20

CK20 Series Toroidal Current Transformer

The VTEKE CK20 Series is a compact toroidal current transformer designed for accurate current measurement in low-voltage electrical systems where installation space is limited. Its compact dimensions make it particularly suitable for smaller conductors and space-constrained panel designs. Different current ratios, accuracy classes and rated burden (VA) options are available to meet various measurement requirements.

KEY FEATURES

- Window-type CT designed for cable conductors
- Primary current range: 30–300 A
- Round conductor: Ø20 mm
- Compact construction for space-limited installations
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 5 VA
Accuracy Class	Class 1.0 or Class 0.5
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV

Primary Conductor	20 mm
Round Conductor	Ø 20 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	30 A to 300 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1.2 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



DK125

DK125 Series Toroidal Current Transformer

The VTEKE DK125 Series is a vertical-design toroidal current transformer developed for current measurement in low-voltage busbar systems. Its elongated vertical window provides increased installation space for vertically arranged or multiple busbars, making it particularly suitable for main distribution panels and industrial switchboards where conventional CT dimensions may not fit the busbar configuration.

KEY FEATURES

- Vertical rectangular-window current transformer
- Primary current range: 600–4000 A
- Primary conductor opening: 125 × 39 mm
- Busbar mount type
- Suitable for large busbar arrangements
- Vertical construction for specific busbar configurations
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 40 VA
Accuracy Class	Class 1, 0.5, 0.5S, 0.2, 0.2S, 0.1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Busbar Mount Type
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20

SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	125 × 39 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	600 A to 4000 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 kA
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK100

TK100 Series Toroidal Current Transformer

The VTEKE TK100 Series is a large-window toroidal current transformer designed for current measurement in high-current low-voltage distribution systems. Its increased conductor opening supports larger busbar configurations, making it suitable for main switchboards, industrial installations and power monitoring applications.

KEY FEATURES

- Large-window current transformer
- Primary current range: 1000–4000 A
- Busbar opening: 100 × 30 mm
- Round conductor: Ø85 mm
- Designed for high-current busbar applications
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 40 VA
Accuracy Class	Class 1, 0.5, 0.5S, 0.2, 0.2S, 0.1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20

SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	100 × 30 mm
Round Conductor	Ø 85 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	1000 A to 4000 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 kA
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK120

TK120 Series Toroidal Current Transformer

The VTEKE TK120 Series is a large-window toroidal current transformer developed for high-current measurement applications requiring increased conductor and busbar capacity. It is particularly suitable for main low-voltage distribution systems, industrial switchboards and large electrical installations.

KEY FEATURES

- Extra-large window current transformer
- Primary current range: 2000–6300 A
- Busbar opening: 70 × 120 mm
- Round conductor: Ø71 mm
- Designed for high-current distribution systems
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 60 VA
Accuracy Class	Class 1, 0.5, 0.5S, 0.2, 0.2S, 0.1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C

Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	70 × 120 mm
Round Conductor	Ø 71 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	2000 A to 6300 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 kA
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK30

TK30 Series Toroidal Current Transformer

The VTEKE TK30 Series is a toroidal current transformer designed for reliable current measurement in low-voltage systems using 30 mm busbars. It provides a wide selection of current ratios, accuracy classes and rated burden (VA) options, making it suitable for metering, monitoring and general electrical distribution applications.

KEY FEATURES

- Window-type current transformer
- Primary current range: 40–600 A
- Busbar capacity: 30 × 10 mm
- Round conductor: Ø26 mm
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 12.5 VA
Accuracy Class	Class 0.5S, Class 0.5, Class 1.0 or Class 3.0
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	

Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	30 × 10 mm
Round Conductor	Ø 26 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	40 A to 600 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1.2 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK30A

TK30A Series Toroidal Current Transformer

The VTEKE TK30A Series is designed for 30 mm busbar applications requiring enhanced measurement performance. Compared with the standard TK30 Series, it provides higher accuracy and rated burden (VA) options, making it suitable for applications with more demanding metering and measurement requirements.

KEY FEATURES

- High-accuracy window-type current transformer
- Primary current range: 25–600 A
- Busbar capacity: 30 × 10 mm
- Round conductor: Ø26 mm
- Designed for demanding measurement applications
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 30 VA
Accuracy Class	Class 1, 0.5, 0.5S, 0.2, 0.2S, 0.1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options

ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	30 × 10 mm
Round Conductor	Ø 26 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	25 A to 600 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK30N

TK30N Series Toroidal Current Transformer

The VTEKE TK30N Series is a compact toroidal current transformer designed for current measurement in 30 mm busbar applications where installation space is limited. Its space-saving construction makes it a practical solution for compact electrical panels while providing different current ratios, accuracy classes and rated burden (VA) options.

KEY FEATURES

- Compact window-type current transformer
- Primary current range: 40–600 A
- Busbar capacity: 30 × 10 mm
- Round conductor: Ø26 mm
- Space-saving construction
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 3.75 VA
Accuracy Class	Class 0.5, 1.0, 3.0
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC

Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	30 × 10 mm
Round Conductor	Ø 26 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	40 A to 600 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK40

TK40 Series Toroidal Current Transformer

The VTEKE TK40 Series is a toroidal current transformer designed for current measurement in low-voltage electrical systems using 40 mm busbars. It offers multiple current ratios, accuracy classes and rated burden (VA) options for a wide range of metering, monitoring and electrical distribution applications.

KEY FEATURES

- Window-type current transformer
- Primary current range: 200–800 A
- Busbar capacity: 40 × 10 mm
- Round conductor: Ø30 mm
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 10 VA
Accuracy Class	Class 1, 0.5, 0.5S, 0.2, 0.2S, 0.1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety

Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	40 × 10 mm
Round Conductor	Ø 30 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	200 A to 800 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK40A

TK40A Series Toroidal Current Transformer

The VTEKE TK40A Series is designed for 40 mm busbar applications requiring enhanced measurement performance. Compared with the standard TK40 Series, it provides higher accuracy and rated burden (VA) options, making it suitable for more demanding metering and monitoring applications.

KEY FEATURES

- Window-type current transformer
- Primary current range: 100–800 A
- Busbar capacity: 40 × 10 mm
- Round conductor: Ø26 mm
- Designed for enhanced measurement performance
- Multiple mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 20 VA
Accuracy Class	Class 0.2S, 0.2, 0.5S, 0.5, 1, 3, 5
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety

Case	Non-flammable, self-extinguishing ABS
Mounting	KK0001 or KK0002
ENVIRONMENTAL CHARACTERISTICS	
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	40 × 10 mm
Round Conductor	Ø 26 mm
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	100–800 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In
Thermal Rated Continuous Current	Id = 1.2 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK60

TK60 Series Toroidal Current Transformer

The VTEKE TK60 Series is a toroidal current transformer designed for current measurement in larger conductor and busbar applications. Its increased window size provides installation flexibility for low-voltage distribution systems while offering multiple current ratios, accuracy classes and rated burden (VA) options.

KEY FEATURES

- Window-type current transformer
- Primary current range: 400–1250 A
- Busbar capacity: 60 × 10 mm
- Round conductor: Ø51 mm
- Suitable for larger conductor and busbar applications
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 20 VA
Accuracy Class	Class 1, 0.5, 0.5S, 0.2, 0.2S, 0.1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC

Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	60 × 10 mm
Round Conductor	Ø 51 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	400 A to 1250 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In or 60 kA
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK60D

TK60D Series Toroidal Current Transformer

The VTEKE TK60D Series is a toroidal current transformer designed for applications requiring increased busbar installation capacity. Its extended window configuration accommodates up to three 60 × 10 mm busbars, providing a practical measurement solution for high-current distribution and industrial switchboard applications.

KEY FEATURES

- Extended-window current transformer
- Primary current range: 600–2000 A
- Primary conductor opening: 30 × 60 mm
- Round conductor: Ø31 mm
- Suitable for up to 3 × 60 × 10 mm busbars
- Designed for multiple-busbar arrangements
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 15 VA
Accuracy Class	Class 0.1, 0.2S, 0.2, 0.5S, 0.5 or Class 1
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	
Terminal	Integral terminal cover, high cross-section brass terminal for extra safety

Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	30 × 60 mm
Round Conductor	Ø 31 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	600 A to 2000 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In or 60 kA
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2



TK80

TK80 Series Toroidal Current Transformer

The VTEKE TK80 Series is a toroidal current transformer designed for current measurement in low-voltage systems with larger conductors and busbars. Its large window provides greater installation capacity, making it suitable for higher-current distribution, metering and industrial power applications.

KEY FEATURES

- Large-window current transformer
- Primary current range: 800–2000 A
- Busbar capacity: 80 × 10 mm
- Round conductor: Ø65 mm
- Suitable for larger busbar applications
- Various mounting options
- Sealable terminal cover

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Power	Up to 30 VA
Accuracy Class	Class 0.1, 0.2S, 0.2, 0.5S, 0.5 or Class 1.0
Test Voltage	3 kV for 1 min
Surge Current Limitation Factor	FS 5
MECHANICAL CHARACTERISTICS	

Terminal	Integral terminal cover, high cross-section brass terminal for extra safety
Case	Non-flammable, self-extinguishing ABS/PC
Mounting	Various mounting options
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature (Operation)	-25 °C to +85 °C
Protection Class / IP Rating	IP20
SPECIFIC TECHNICAL CHARACTERISTICS OF CURRENT SENSORS	
Max. System Voltage	0.72 kV
Primary Conductor	80 × 10 mm
Round Conductor	Ø 65 mm
Number of Inputs	1
CURRENT MEASUREMENT CIRCUIT	
Primary Current Range	800 A to 2000 A
Secondary Current	5 A
Thermal Rated Short-Time Current	Ith = 60 × In or 60 kA
Thermal Rated Continuous Current	Id = 1 × In
Rated Frequency	50/60 Hz
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS3938, BS7626, EN 61869-2

Split Core Current Transformers



MSK24

MSK24 Series Split Core Current Transformer

The VTEKE MSK24 Series is a compact split core current transformer designed specifically for current measurement in existing low-voltage cable systems. Its openable core allows installation around the cable without disconnecting the primary conductor, making it suitable for space-limited retrofit metering and monitoring applications.

KEY FEATURES

- Split-core current transformer designed for cable systems
- Primary current range: 100–300 A
- Cable opening: Ø24 mm

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	100–300 A
Rated Secondary Current	5 A
Available Accuracy Classes	Class 3, Class 1

- Installation without disconnecting the primary cable
- Cable-mounted construction with cable-tie support
- Self-extinguishing ABS housing

Rated Burden	Up to 2.5 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	FS 5
Maximum System Voltage	0.72 kV
Test Voltage	3 kV / 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing ABS
Terminal Type	1 m black and red secondary connection wires
Mounting	On cable using front and back support with cable tie
Primary Conductor Opening	Ø24 mm
Number of Inputs	1
STANDARDS	
Applicable Standards	IEC 60044-1; IEC 61869-2; VDE 0414-1; DIN 57414; BS 3938; BS 7626; EN 61869-2



MSK36

MSK36 Series Split Core Current Transformer

The VTEKE MSK36 Series is a split core current transformer designed for current measurement in existing low-voltage cable systems. Its openable core enables convenient installation around the cable without disconnecting the primary conductor, providing a practical solution for retrofit metering, energy monitoring and electrical panel applications.

KEY FEATURES

- Split-core current transformer designed for cable systems
- Primary current range: 100–600 A
- Cable opening: Ø36 mm
- Installation without disconnecting the primary cable
- Cable-mounted construction with cable-tie support

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	100–600 A
Rated Secondary Current	5 A
Available Accuracy Classes	Class 3, Class 1, Class 0.5
Rated Burden	Up to 5 VA
Rated Frequency	50/60 Hz

- Self-extinguishing ABS housing

Safety Factor (FS)	FS 5
Maximum System Voltage	0.72 kV
Test Voltage	3 kV / 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing ABS
Terminal Type	1 m black and red secondary connection wires
Mounting	On cable using front and back support with cable tie
Primary Conductor Opening	Ø36 mm
Number of Inputs	1
STANDARDS	
Applicable Standards	IEC 60044-1; IEC 61869-2; VDE 0414-1; DIN 57414; BS 3938; BS 7626; EN 61869-2



MSK50

MSK50 Series Split Core Current Transformer

The VTEKE MSK50 Series is a split core current transformer designed for current measurement in low-voltage systems using larger cables. Its increased conductor capacity and openable core allow installation around existing cables without disconnection, making it suitable for retrofit metering, monitoring and higher-current cable applications.

KEY FEATURES

- Split-core current transformer designed for cable systems
- Primary current range: 100–800 A
- Cable opening: Ø50 mm
- Installation without disconnecting the primary cable
- Cable-mounted construction with cable-tie support
- Self-extinguishing ABS housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	250–800 A
Rated Secondary Current	5 A
Available Accuracy Classes	Class 1, Class 0.5
Rated Burden	Up to 5 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	FS 5
Maximum System Voltage	0.72 kV

Test Voltage	3 kV / 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing ABS
Terminal Type	1 m black and red secondary connection wires
Mounting	On cable using front and back support with cable tie
Primary Conductor Opening	Ø50 mm
Number of Inputs	1
STANDARDS	
Applicable Standards	IEC 60044-1; IEC 61869-2; VDE 0414-1; DIN 57414; BS 3938; BS 7626; EN 61869-2



SK58

SK58 Series Split Core Current Transformer

The VTEKE SK58 Series is a split core current transformer designed for current measurement in existing low-voltage electrical installations.Its openable core allows installation around busbars or cables without disconnecting the primary conductor,making it a practical solution for retrofit metering, monitoring and energy management applications.

KEY FEATURES

- Split-core current transformer for busbars and cables
- Primary current range: 250–1600 A
- Primary conductor opening: 50 × 80 mm
- Installation without disconnecting the primary conductor
- Screw-secured split-core construction
- Screw-type covered terminals
- Self-extinguishing polycarbonate housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	250–800 A
Rated Secondary Current	5A
Available Accuracy Classes	Class 3, Class 1, Class 0.5
Rated Burden	Up to 5 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	>15
Maximum System Voltage	0.72 kV
Test Voltage	3 kV for 1 minute
SHORT-CIRCUIT CHARACTERISTICS	

Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing polycarbonate
Terminal Type	Screw-type covered terminals
Mounting	On cable or busbar using screws
Number of Inputs	1
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS 3938, BS 7626, EN 61869-2



SK812

SK812 Series Split Core Current Transformer

The VTEKE SK812 Series is a split core current transformer designed for current measurement in low-voltage installations with larger busbars or cables. Its openable core allows installation without disconnecting the primary conductor, making it suitable for retrofit applications where interruption of the existing electrical installation should be minimized.

KEY FEATURES

- Split-core current transformer for busbars and cables
- Primary current range: 400–3000 A
- Primary conductor opening: 80 × 120 mm
- Installation without disconnecting the primary conductor
- Screw-secured split-core construction
- Screw-type covered terminals
- Self-extinguishing polycarbonate housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	800–2000 A
Rated Secondary Current	5A
Available Accuracy Classes	Class 1, Class 0.5
Rated Burden	Up to 15 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	>15
Maximum System Voltage	0.72 kV
Test Voltage	3 kV for 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	

Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing polycarbonate
Terminal Type	Screw-type covered terminals
Mounting	On cable or busbar using screws
Number of Inputs	1
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS 3938, BS 7626, EN 61869-2



SK816

SK816 Series Split Core Current Transformer

The VTEKE SK816 Series is a split core current transformer developed for current measurement in low-voltage systems using larger busbar and cable configurations. Its openable core provides convenient installation around existing conductors without disconnection, making it particularly suitable for retrofit metering and power monitoring applications.

KEY FEATURES

- Split-core current transformer for busbars and cables
- Primary current range: 1000–5000 A
- Primary conductor opening: 80 × 160 mm
- Installation without disconnecting the primary conductor
- Screw-secured split-core construction
- Screw-type covered terminals
- Self-extinguishing polycarbonate housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	1000–4000 A
Rated Secondary Current	5A
Available Accuracy Classes	Class 0.5
Rated Burden	Up to 30 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	>15
Maximum System Voltage	0.72 kV
Test Voltage	3 kV for 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing polycarbonate

Terminal Type	Screw-type covered terminals
Mounting	On cable or busbar using screws
Number of Inputs	1
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS 3938, BS 7626, EN 61869-2



SK820

SK820 Series Split Core Current Transformer

The VTEKE SK820 Series is a large split core current transformer designed for current measurement in high-current low-voltage installations using large busbars or cables. Its openable core enables installation around existing conductors without disconnection, providing a practical solution for main distribution, retrofit metering and power monitoring systems.

KEY FEATURES

- Large split-core current transformer for busbars and cables
- Primary current range: 2000–6300 A
- Primary conductor opening: 80 × 200 mm
- Installation without disconnecting the primary conductor
- Screw-secured split-core construction
- Screw-type covered terminals
- Self-extinguishing polycarbonate housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	2000–6300 A
Rated Secondary Current	5A
Available Accuracy Classes	Class 0.5
Rated Burden	Up to 30 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	>15
Maximum System Voltage	0.72 kV
Test Voltage	3 kV for 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing polycarbonate
Terminal Type	Screw-type covered terminals
Mounting	On cable or busbar using screws
Number of Inputs	1
STANDARDS	

Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS 3938, BS 7626, EN 61869-2



SK88

SK88 Series Split Core Current Transformer

The VTEKE SK88 Series is a split core current transformer designed for current measurement in existing low-voltage electrical installations using busbars or cables. Its openable core enables fast installation without disconnecting the primary conductor, providing a practical solution for retrofit metering, monitoring and electrical distribution applications.

KEY FEATURES

- Split-core current transformer for busbars and cables
- Primary current range: 400–2000 A
- Primary conductor opening: 80 × 80 mm
- Installation without disconnecting the primary conductor
- Screw-secured split-core construction
- Screw-type covered terminals
- Self-extinguishing polycarbonate housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated Primary Current	400–1250 A
Rated Secondary Current	5A
Available Accuracy Classes	Class 1, Class 0.5
Rated Burden	Up to 10 VA
Rated Frequency	50/60 Hz
Safety Factor (FS)	>15
Maximum System Voltage	0.72 kV
Test Voltage	3 kV for 1 minute
SHORT-CIRCUIT CHARACTERISTICS	
Thermal Rated Short-Time Current (Ith)	60 × In
Thermal Rated Continuous Current (Id)	1 × In
OPERATING CONDITIONS	
Ambient Operating Temperature	-25°C to +85°C
MECHANICAL CHARACTERISTICS	
Core Type	Split Core
Housing Material	Self-extinguishing polycarbonate
Terminal Type	Screw-type covered terminals
Mounting	On cable or busbar using screws
Number of Inputs	1
STANDARDS	
Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN 57414, BS 3938, BS 7626, EN 61869-2

Core Balance Current Transformers (CBCT)



REPRESENTATIVE IMAGE

VAYR

VAYR Series Core Balance Current Transformer (CBCT)

The VTEKE VAYR Series is a split-core rectangular Core Balance Current Transformer designed for residual current detection in existing low-voltage electrical installations. Its openable core enables installation around large conductors or busbars without dismantling the existing conductor arrangement, making it particularly suitable for retrofit earth leakage protection applications. When used with the VTEKE ELR-V3 Earth Leakage Relay, it provides the current signal required for earth leakage protection and monitoring.

KEY FEATURES

- Split-core rectangular Core Balance Current Transformer
- Designed for earth leakage protection and monitoring
- Designed for use with VTEKE ELR-V3
- Installation without dismantling the existing conductor arrangement
- Large rectangular conductor openings
- Suitable for large conductor and busbar arrangements
- Ideal for retrofit installations

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Maximum Operating Voltage	1000 V
Fault Current at Input Rated Value	30 A
Rated Surge Withstand Voltage	3 kV
Frequency	50/60 Hz
Turns Ratio	1000/1
Test Voltage	3 kV AC, 1 min
Permissible Current	20 kA, 1 s
Insulation Resistance	100 MΩ at 500 VDC
MECHANICAL CHARACTERISTICS	
Construction	Split-Core Rectangular
Available Sizes	360 × 100, 500 × 100 mm
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-45°C to +55°C
Ambient Temperature	-20°C to +55°C
STANDARDS & COMPLIANCE	
Standard	IEC 60947-2*
Low Voltage Directive	2014/35/EU
EMC Directive	2014/30/EU



REPRESENTATIVE IMAGE

VDIK

VDIK Series Core Balance Current Transformer (CBCT)

The VTEKE VDIK Series is a solid rectangular Core Balance Current Transformer designed for residual current detection in low-voltage electrical installations with large conductor or busbar arrangements. When used with the VTEKE ELR-V3 Earth Leakage Relay, it provides a practical solution for earth leakage protection and monitoring where large rectangular openings are required.

KEY FEATURES

- Solid rectangular Core Balance Current Transformer
- Designed for earth leakage protection and monitoring
- Designed for use with VTEKE ELR-V3
- Large rectangular conductor openings
- Suitable for large conductor and busbar arrangements
- Solid-core construction
- Opening sizes up to 900 × 300 mm

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Maximum Operating Voltage	1000 V
Fault Current at Input Rated Value	30 A
Rated Surge Withstand Voltage	3 kV
Frequency	50/60 Hz
Turns Ratio	1000/1
Test Voltage	3 kV AC, 1 min
Permissible Current	20 kA, 1 s
Insulation Resistance	100 MΩ at 500 VDC
MECHANICAL CHARACTERISTICS	
Construction	Solid Rectangular
Available Sizes	360 × 100, 500 × 100, 850 × 200, 900 × 300 mm
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-45°C to +55°C
Ambient Temperature	-20°C to +55°C
STANDARDS & COMPLIANCE	
Standard	IEC 60947-2*
Low Voltage Directive	2014/35/EU
EMC Directive	2014/30/EU



REPRESENTATIVE IMAGE

VST-ELR

VST-ELR Series Summation Core Balance Current Transformer (CBCT)

The VTEKE VST-ELR Series is a Summation Current Transformer designed for use with Earth Leakage Relays (ELR) in low-voltage electrical installations. It sums the secondary currents received from multiple current transformers and provides the resulting residual-current signal to the earth leakage relay, enabling multiple circuits to be monitored through a single relay.

KEY FEATURES

- Summation Current Transformer for earth leakage applications
- Designed for use with Earth Leakage Relays (ELR)
- Sums secondary currents from multiple current transformers
- Enables multiple circuits to be monitored through a single relay
- DIN rail mounting
- Protected terminals
- Compact panel-mounting design

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Rated System Voltage	0.72/3 kV
Rated Transformation Ratio	5+5+5+5/0.1 A
Rated Burden	Up to 10 VA
Rated Frequency	50–60 Hz
MECHANICAL CHARACTERISTICS	
Mounting	DIN Rail
Terminals	2 Protected Terminals
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature	-20°C to +50°C
STANDARDS & COMPLIANCE	
Standards	EN 60044-1 / EN 61869-2 / IEC 61869-2



REPRESENTATIVE IMAGE

VTOR

VTOR Series Core Balance Current Transformer (CBCT)

The VTEKE VTOR Series is a toroidal Core Balance Current Transformer designed for residual current detection in low-voltage electrical installations. When used with the VTEKE ELR-V3 Earth Leakage Relay, it provides the current signal required for earth leakage protection and monitoring. The series offers multiple internal diameters to accommodate different conductor sizes and installation requirements.

KEY FEATURES

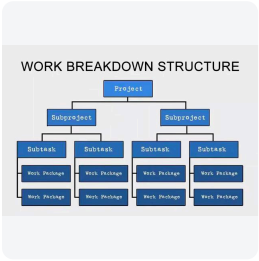
- Toroidal Core Balance Current Transformer
- Designed for earth leakage protection and monitoring
- Designed for use with VTEKE ELR-V3
- Circular opening sizes from Ø25 mm to Ø310 mm
- Multiple sizes for different conductor arrangements
- Solid-core construction

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Maximum Operating Voltage	1000 V
Fault Current at Input Rated Value	30 A
Rated Surge Withstand Voltage	3 kV
Frequency	50/60 Hz
Turns Ratio	1000/1
Test Voltage	3 kV AC, 1 min
Permissible Current	20 kA, 1 s
Insulation Resistance	100 MΩ at 500 VDC
MECHANICAL CHARACTERISTICS	
Construction	Toroidal, Solid Core
Available Sizes	Ø25, Ø45, Ø80, Ø100, Ø150, Ø210, Ø310 mm
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	

Operating Temperature	-45°C to +55°C
Ambient Temperature	-20°C to +55°C
STANDARDS & COMPLIANCE	
Standard	IEC 60947-2*
Low Voltage Directive	2014/35/EU
EMC Directive	2014/30/EU

Summation Current Transformer



VST5

VST5 Series Summation Current Transformer

The VTEKE VST Series Summation Current Transformers are designed to combine the secondary currents of multiple current transformers into a single output for centralized current measurement. The series enables currents from different feeders or electrical loads to be monitored through one measuring instrument, with configurations supporting up to nine current transformer inputs.

KEY FEATURES

- Summation of multiple current transformer secondary signals
- Up to 9 current transformer inputs
- Suitable for equal or unequal primary CT ratios
- Secondary output options of 1 A or 5 A
- DIN rail mounting
- Protected connection terminals
- Compact design for electrical panels

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Number of Inputs	2–9
Input Current	5 A per input (listed models)
Secondary Current	1 A / 5 A (general series feature)
Accuracy Class	0.5
Rated Burden	5 VA
Rated System Voltage	0.72/3 kV
Continuous Overcurrent	1.2 × In
Rated Short-Time Thermal Current	60 × In
MECHANICAL CHARACTERISTICS	
Mounting	DIN rail
Terminals	Protected terminals
ENVIRONMENTAL CHARACTERISTICS	
Ambient Temperature	-20°C to +50°C
STANDARDS & COMPLIANCE	
Standards	EN 60044-1 / EN 61869-2 / IEC 61869-2



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Electrical Measurements

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MultiMeters


REPRESENTATIVE IMAGE

VK–M96

VK-M96 Three-Display Digital Multimeter 96X96

The VTEKE VK-M96 is a three-phase digital multimeter featuring 3 digital displays for monitoring electrical parameters in low-voltage distribution systems. It measures phase-to-neutral and phase-to-phase voltages, individual phase currents, and system frequency. With a built-in phase sequence error indicator and adjustable current transformer ratio, it provides a practical solution for electrical monitoring and control panel applications.

KEY FEATURES

- 3 digital displays for simultaneous phase measurements
- Three-phase voltage and current measurement
- Phase-to-neutral and phase-to-phase voltage monitoring
- Individual phase current measurement through external current transformers
- System frequency measurement
- Built-in phase sequence error indication
- Adjustable current transformer ratio
- Panel-mounted design

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage	85–300 V AC/DC (L–N)
Operating Frequency	50/60 Hz
Power Consumption	<4 VA
MEASUREMENT CHARACTERISTICS	
Phase-to-Neutral Voltage Range	1–300 V AC (L–N), RMS
Phase-to-Phase Voltage Range	1–500 V AC (L–L), RMS
Current Measurement Range	0.05–5 A AC, RMS (via CT)
Measurement Accuracy	±1%
Maximum CT Primary	9995 A
Frequency Measurement Range	40–60 Hz
Phase Sequence Monitoring	Built-in error indication
DISPLAY CHARACTERISTICS	
Display Type	Digital
Number of Displays	3
Displayed Parameters	Voltage, Current, Frequency

Phase Sequence Error Indication	Display indication
OPERATING CONDITIONS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m
MECHANICAL CHARACTERISTICS	
Mounting	Panel mounting
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Weight	Maximum 300 g
Protection Class	IP20
Front Dimensions	96 × 96 mm



REPRESENTATIVE IMAGE

VK–M96S

VK-M96S Six-Display Digital Multimeter 96X96

The VTEKE VK-M96S is a three-phase digital multimeter featuring 6 digital displays for monitoring electrical parameters in low-voltage distribution systems. It measures phase-to-neutral and phase-to-phase voltages, individual phase currents, and system frequency. With a built-in phase sequence error indicator and adjustable current transformer ratio, it provides a practical solution for electrical monitoring and control panel applications.

KEY FEATURES

- 6 digital displays for simultaneous phase measurements
- Three-phase voltage and current measurement
- Phase-to-neutral and phase-to-phase voltage monitoring
- Individual phase current measurement through external current transformers
- System frequency measurement
- Built-in phase sequence error indication
- Adjustable current transformer ratio
- Panel-mounted design

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage	85–300 V AC/DC (L–N)
Operating Frequency	50/60 Hz
Power Consumption	<4 VA
MEASUREMENT CHARACTERISTICS	
Phase-to-Neutral Voltage Range	1–300 V AC (L–N), RMS
Phase-to-Phase Voltage Range	1–500 V AC (L–L), RMS
Current Measurement Range	0.05–5 A AC, RMS (via CT)
Measurement Accuracy	±1%
Maximum CT Primary	9995 A
Frequency Measurement Range	40–60 Hz
Phase Sequence Monitoring	Built-in error indication
DISPLAY CHARACTERISTICS	
Display Type	Digital
Number of Displays	6
Displayed Parameters	Voltage, Current, Frequency

Phase Sequence Error Indication	Display indication
OPERATING CONDITIONS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m
MECHANICAL CHARACTERISTICS	
Mounting	Panel mounting
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Weight	Maximum 300 g
Protection Class	IP20
Front Dimensions	96 × 96 mm

Ammeters



REPRESENTATIVE IMAGE

VK-A72

VK-A72 Single-Phase Digital Ammeter 72X72

The VTEKE VK-A72 is a single-phase digital ammeter designed for AC current measurement in electrical distribution and control panels. Its compact 72 × 72 mm housing and digital display support industrial current monitoring.

KEY FEATURES

- Single-phase AC current measurement
- Digital current display
- Current measurement through an external CT
- Front-panel configuration buttons
- Compact 72 × 72 mm housing
- Panel-mounted design
- Plug-in terminal connection

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage	150–270 V AC
Operating Frequency	50/60 Hz
Operating Power	<4 VA
MEASUREMENT CHARACTERISTICS	
Measurement Type	Single-phase AC current
Measurement Accuracy	±1%
DISPLAY CHARACTERISTICS	
Display Type	Digital
Number of Displays	1
Displayed Parameters	Current (A)
OPERATING CONDITIONS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m
MECHANICAL CHARACTERISTICS	
Mounting	Assembly to panel front cover
Connection Type	Plug-in terminal connection

Maximum Cable Cross-Section	1.5 mm²
Weight	<220 g
Protection Class	IP41 (Front Panel), IP20 (Body)
Front Dimensions	73.3 × 73.3 mm
Panel Cutout	68 × 68 mm
Housing Depth	44.4 mm
Overall Depth	51 mm



REPRESENTATIVE IMAGE

VK-A72S

VK-A72S Digital Adjustable Ammeter with Protection 72X72

The VTEKE VK-A72S is a single-phase digital adjustable ammeter for AC current monitoring and protection in distribution and control panels. It offers configurable high/low current thresholds, waiting and automatic reset times, hysteresis, and a relay output. Dual LED displays support current monitoring and configuration.

KEY FEATURES

- Single-phase AC current measurement and protection
- Adjustable high and low current setpoints
- Adjustable fault waiting time
- Adjustable automatic reset time
- Adjustable inrush multiplier and time
- Adjustable maximum reset count
- Adjustable current hysteresis
- Dual LED display
- Relay output for protection control
- Saves demand value

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage	150–240 V AC
Operating Frequency	50/60 Hz
Operating Power	<6 VA
MEASUREMENT CHARACTERISTICS	
Measurement Type	Single-phase AC current
Current Transformer Ratio	5/5 A to 995/5 A
Measuring Range (datasheet text)	15 OmA – 5.5 A (unclear source notation)
PROTECTION & CONTROL CHARACTERISTICS	
High Current Setpoint	Adjustable
Low Current Setpoint	Adjustable
High/Low Current Fault Waiting Time	Adjustable
High/Low Current Automatic Reset Time	Adjustable
Inrush Multiplier and Time	Adjustable
Maximum Reset Count	Adjustable
Automatic Reset Function	Available
High/Low Current Hysteresis	Adjustable
Demand Value	Saved
OUTPUT CHARACTERISTICS	
Output Type	Relay output
Relay Rating	5 A, 250 V resistive load

DISPLAY CHARACTERISTICS	
Display Type	LED
Display Configuration	2 × LED display
Displayed Information	Current measurement and settings
OPERATING CONDITIONS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m
MECHANICAL CHARACTERISTICS	
Mounting	Panel mounting
Connection Type	Terminal connection
Panel Hole Size	67 × 67 mm
Weight	0.230 kg
Front Dimensions	74.3 × 74 mm
Housing Depth	56.7 mm
Front Bezel Depth	7.7 mm
Terminal Extension	12.7 mm



REPRESENTATIVE IMAGE

VK–A96

VK-A96 Single-Phase Digital Ammeter 96X96

The VTEKE VK-A96 is a single-phase digital ammeter designed for AC current measurement in low-voltage electrical installations. It measures current through an external current transformer and features an adjustable CT ratio, providing a practical solution for electrical distribution panels and industrial control applications.

KEY FEATURES

- Single-phase AC current measurement
- Digital current display
- Current measurement through an external current transformer
- Adjustable current transformer ratio
- Panel-mounted design
- Compact 96 × 96 mm housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage	85–300 V AC/DC (L–N)
Operating Frequency	50/60 Hz
Power Consumption	<4 VA
MEASUREMENT CHARACTERISTICS	
Current Measurement Range	0.05–5 A AC, RMS (via CT)
Measurement Accuracy	±1%
Maximum CT Primary	9995 A
DISPLAY CHARACTERISTICS	
Display Type	Digital
Number of Displays	1
Displayed Parameters	Current (A)
OPERATING CONDITIONS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m

MECHANICAL CHARACTERISTICS	
Mounting	Panel mounting
Connection Type	Plug-in
Maximum Wire Size	1.5 mm^2
Weight	Maximum 300 g
Protection Class	IP20
Front Dimensions	96 × 96 mm



REPRESENTATIVE IMAGE

VK-A96-T

VK-A96-T Three-Phase Digital Ammeter 96X96

The VTEKE Three-Phase Digital Ammeter is designed for monitoring electrical current in three-phase low-voltage distribution systems. Featuring three digital displays, it provides simultaneous current measurements for each phase through external current transformers. Adjustable CT ratios support use in distribution panels and motor control applications.

KEY FEATURES

- Three-phase AC current measurement
- Three digital displays for simultaneous phase current monitoring
- Individual current measurement for L1, L2, and L3
- Current measurement through external current transformers
- Adjustable current transformer ratios
- Panel-mounted design
- Compact 96 × 96 mm housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage	85–300 V AC/DC (L–N)
Operating Frequency	50/60 Hz
Power Consumption	<4 VA
MEASUREMENT CHARACTERISTICS	
Current Measurement Range	0.05–5 A AC, RMS (via CT)
Measurement Accuracy	±1%
Maximum CT Primary	9995 A
Number of Measured Phases	3
DISPLAY CHARACTERISTICS	
Display Type	Digital
Number of Displays	3
Displayed Parameters	Current (A)
OPERATING CONDITIONS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m
MECHANICAL CHARACTERISTICS	
Mounting	Panel mounting
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Weight	Maximum 300 g
Protection Class	IP20
Front Dimensions	96 × 96 mm

Voltmeters



REPRESENTATIVE IMAGE

VK–V96

VK-V96 Single-Phase Digital Voltmeter 96X96

The VTEKE VK-V96 is a single-phase digital voltmeter designed for AC voltage measurement in low-voltage electrical installations. Featuring a digital display, it provides clear voltage readings for distribution panels, industrial installations, and control systems.

KEY FEATURES

- Single-phase AC voltage measurement
- Digital voltage display
- Direct voltage measurement
- Continuous voltage monitoring
- Panel-mounted design

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage	85–300 V AC/DC (L–N)
Operating Frequency	50/60 Hz
Power Consumption	<4 VA
MEASUREMENT CHARACTERISTICS	

- Compact 96 × 96 mm housing

Voltage Measurement Range	1–300 V AC, RMS
Measurement Accuracy	±1%
DISPLAY CHARACTERISTICS	
Display Type	Digital
Number of Displays	1
Displayed Parameters	Voltage (V)
OPERATING CONDITIONS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m
MECHANICAL CHARACTERISTICS	
Mounting	Panel mounting
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Weight	Maximum 300 g
Protection Class	IP20
Front Dimensions	96 × 96 mm



REPRESENTATIVE IMAGE

VK-V96-T2

VK-V96-T2 Three-Phase Digital Voltmeter 96X96

The VTEKE VK-V96-T2 is a three-phase digital voltmeter designed for monitoring AC voltage in low-voltage electrical distribution systems. Featuring three digital displays, it provides simultaneous voltage monitoring across three phases in industrial installations and distribution panels.

KEY FEATURES

- Three-phase AC voltage measurement
- Three digital displays for simultaneous phase voltage monitoring
- Phase-to-neutral voltage measurement
- Phase-to-phase voltage measurement
- Direct voltage measurement
- Panel-mounted design
- Compact 96 × 96 mm housing

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage	85–300 V AC/DC (L–N)
Operating Frequency	50/60 Hz
Power Consumption	<4 VA
MEASUREMENT CHARACTERISTICS	
Phase-to-Neutral Voltage Range	1–300 V AC (L–N), RMS
Phase-to-Phase Voltage Range	1–500 V AC (L–L), RMS
Measurement Accuracy	±1%
Number of Measured Phases	3
DISPLAY CHARACTERISTICS	
Display Type	Digital
Number of Displays	3
Displayed Parameters	Voltage (V)

OPERATING CONDITIONS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m
MECHANICAL CHARACTERISTICS	
Mounting	Panel mounting
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Weight	Maximum 300 g
Protection Class	IP20
Front Dimensions	96 × 96 mm

DC Ammeter



REPRESENTATIVE IMAGE

DC-A72

DC-A72 DC Digital Ammeter 72X72

The VTEKE DC-A72 is a digital DC ammeter for current monitoring in DC electrical systems. It measures DC current through an external shunt, with a compact 72 × 72 mm panel-mounted housing for battery systems and industrial DC distribution.

KEY FEATURES

- DC current measurement
- Digital current display
- Current measurement through an external shunt
- Shunt signal measurement
- Compact 72 × 72 mm housing
- Panel-mounted design
- Plug-in terminal connection

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage	150–270 V AC
Operating Frequency	50/60 Hz
Operating Power	<6 VA
MEASUREMENT CHARACTERISTICS	
Measurement Type	DC current
Shunt Measurement Range	0.3–70 mV
Shunt Configuration (datasheet)	10–900 A (60 mV)
Measurement Accuracy	±5%
DISPLAY CHARACTERISTICS	
Display Type	Digital
Number of Displays	1
Displayed Parameters	DC Current (A)
OPERATING CONDITIONS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m
MECHANICAL CHARACTERISTICS	
Mounting	Assembly to panel front cover

Connection Type	Plug-in terminal connection
Maximum Cable Cross-Section	1.5 mm²
Weight	<220 g
Protection Class	IP41 (Front Panel), IP20 (Body)
Front Dimensions	73.3 × 73.3 mm
Panel Cutout	68 × 68 mm
Housing Depth	44.4 mm
Overall Depth	51 mm

DC Voltmeter



REPRESENTATIVE IMAGE

DC-V72

DC-V72 DC Digital Voltmeter 72X72

The VTEKE DC-V72 is a digital DC voltmeter for voltage monitoring in DC electrical systems. Its digital display and compact 72 × 72 mm panel-mounted housing suit industrial control panels, battery systems, and DC distribution.

KEY FEATURES

- DC voltage measurement
- Digital voltage display
- Voltage measurement up to 500 V DC
- Compact 72 × 72 mm housing
- Panel-mounted design
- Plug-in terminal connection

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage	150–270 V AC
Operating Frequency	50/60 Hz
Operating Power	<6 VA
MEASUREMENT CHARACTERISTICS	
Voltage Measurement Range	1–500 V DC
Measurement Accuracy	±2%
Measurement Type	DC voltage
DISPLAY CHARACTERISTICS	
Display Type	Digital
Number of Displays	1
Displayed Parameters	DC Voltage (V)
OPERATING CONDITIONS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m
MECHANICAL CHARACTERISTICS	
Mounting	Assembly to panel front cover
Connection Type	Plug-in terminal connection
Maximum Cable Cross-Section	1.5 mm²

Weight	<220 g
Protection Class	IP41 (Front Panel), IP20 (Body)
Front Dimensions	73.3 × 73.3 mm
Panel Cutout	68 × 68 mm
Housing Depth	44.4 mm
Overall Depth	51 mm



Full product range · 2026

Power Quality and Energy

4 products · Energy Analyzers

Energy Analyzers



REPRESENTATIVE IMAGE

EA-4DIN

EA-4DIN Three-Phase Energy Analyzer, Din Rail Type

The VTEKE compact three-phase energy analyzer is designed for measurement and monitoring of electrical parameters in low- and medium-voltage electrical systems. It measures voltage, current, frequency, active and reactive power, power factor, energy, and harmonic components.

KEY FEATURES

- Three-phase electrical measurement and energy monitoring
- Active and reactive power measurement
- Active and reactive energy measurement
- Power factor measurement
- Voltage and current harmonics up to the 31st harmonic
- Frequency measurement
- RS485 Modbus RTU communication
- 2 relay outputs
- 1 digital input
- Internal memory for energy values and demand records
- Configurable CT and VT ratios
- Password-protected menu
- 53 × 31 mm custom-design glass LCD
- Supports 3P4W connection

SPECIFICATIONS

MEASUREMENT CHARACTERISTICS	
Voltage Measurement	Phase-to-phase, Phase-to-neutral
Current Measurement	I1, I2, I3
Frequency	F1, F2, F3
Active Power	P1, P2, P3
Reactive Power	Q1, Q2, Q3
Apparent Power	S1, S2, S3
Power Factor	Per phase
Active Energy	ΣkWh (Import & Export)
Reactive Energy	ΣkVArh (Inductive & Capacitive)
Voltage Harmonics	Up to 31st harmonic
Current Harmonics	Up to 31st harmonic
Voltage / Current Accuracy	±0.5%
Active Energy Accuracy	±1%
Reactive Energy Accuracy	±2%
ELECTRICAL CHARACTERISTICS	
Operating Voltage	85–240 V AC
Operating Frequency	50/60 Hz
Operating Power	<10 VA
Voltage Input	5–330 V AC

Voltage Measuring Range	5 V–330 kV
Current Input	10 mA–5.5 A
Current Measuring Range	10 mA–5500 A
Current Transformer Ratio	1–1000
Voltage Transformer Ratio	1.0–9999
Supported Connection	3P4W
COMMUNICATION & FUNCTIONS	
Communication	RS485 Modbus RTU
Relay Output	2 × 3 A / 250 V AC (Resistive Load)
Digital Input	1 × 9–24 V DC
Memory	Energy values and demand records can be deleted
Password Protection	Menu is password protected
DISPLAY & MECHANICAL CHARACTERISTICS	
Display	53 × 31 mm Glass LCD
Connection Type	Plug-in Terminal Connection
Cable Cross-Section	1.5 mm²
Weight	<300 g
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C
Operating Altitude	<2000 m



REPRESENTATIVE IMAGE

EA-C1

EA-C1 Three-Phase Energy Analyzer

The VTEKE EA-C1 is a three-phase panel-mounted energy analyzer designed for comprehensive measurement and monitoring of electrical parameters in low- and medium-voltage electrical systems. It measures voltage, current, frequency, active, reactive and apparent power, power factor, energy, and harmonic components.

KEY FEATURES

- Three-phase electrical measurement and energy monitoring
- Active, reactive and apparent power measurement
- Active and reactive energy measurement
- True power factor and cos ϕ measurement
- Voltage and current harmonics up to the 31st harmonic
- Total Harmonic Distortion measurement (THD-V and THD-I)
- Frequency measurement

SPECIFICATIONS

MEASUREMENT CHARACTERISTICS	
Voltage Measurement	Phase-to-phase, Phase-to-neutral
Current Measurement	I1, I2, I3, ΣI
Frequency	F1, F2, F3
Active Power	P1, P2, P3
Reactive Power	Q1, Q2, Q3
Apparent Power	S1, S2, S3
Power Factor	True PF, cos ϕ of each phase
Active Energy	ΣkWh

- Demand, event and electrical data recording
- Internal memory for records and event logs
- RS485 Modbus RTU communication
- Adjustable relay output
- Configurable CT and VT ratios
- Password-protected menu
- 96 × 96 mm panel-mounted design

Reactive Energy	ΣkVArh (Inductive & Capacitive)
Total Harmonic Distortion	THD-V, THD-I
Voltage Harmonics	Up to 31st harmonic (L-N and L-L)
Current Harmonics	Up to 31st harmonic
Voltage / Current Accuracy	±0.5%
Active Energy Accuracy	±1%
Reactive Energy Accuracy	±2%
ELECTRICAL CHARACTERISTICS	
Operating Voltage	85–240 V AC
Operating Frequency	50/60 Hz
Operating Power	<10 VA
Input Voltage (L-N)	5–330 V AC
Voltage Measuring Range	5 V–330 kV
Input Current	10 mA–5.5 A
Current Measuring Range	10 mA–5500 A
Current Transformer Ratio	1–1000
Voltage Transformer Ratio	1.0–9999
Supported Connection	3P4W
COMMUNICATION & FUNCTIONS	
Communication	RS485 Modbus RTU
Relay Output	Adjustable
Memory	Voltage and current event values, demands, records and event logs
Password Protection	Menu is password protected
MECHANICAL CHARACTERISTICS	
Panel Size	96 × 96 mm
Panel Cut-Out	91 × 91 mm
Connection Type	Plug-in Terminal Connection
Cable Cross-Section	1.5 mm²
Mounting	Front panel mounting
Weight	<300 g
Protection Degree	IP41 Front Panel / IP20 Body
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m



REPRESENTATIVE IMAGE

EA-C4

EA-C4 Three-Phase Energy Analyzer

The VTEKE EA-C4 is a three-phase panel-mounted energy analyzer designed for comprehensive measurement and monitoring of electrical parameters in low- and medium-voltage electrical systems. It measures voltage, current, frequency, active, reactive and apparent power, power factor, energy, and harmonic components.

KEY FEATURES

- Three-phase electrical measurement and energy monitoring
- Active, reactive and apparent power measurement
- Import and export active energy measurement
- Inductive and capacitive reactive energy measurement
- True power factor and cos ϕ measurement
- Voltage and current harmonics up to the 31st harmonic
- Total Harmonic Distortion measurement (THD-V and THD-I)
- Frequency measurement
- Demand recording
- RS485 Modbus RTU communication
- Adjustable relay output
- Configurable CT and VT ratios
- Password-protected menu
- Custom-design glass LCD
- 96 × 96 mm panel-mounted design

SPECIFICATIONS

MEASUREMENT CHARACTERISTICS	
Voltage Measurement	Phase-to-phase, Phase-to-neutral
Current Measurement	I1, I2, I3
Frequency	F1, F2, F3
Active Power	P1, P2, P3
Reactive Power	Q1, Q2, Q3
Apparent Power	S1, S2, S3
Power Factor	True PF, cos ϕ of each phase
Active Energy	ΣkWh (Import & Export)
Reactive Energy	ΣkVArh (Inductive & Capacitive)
Total Harmonic Distortion	THD-V, THD-I
Voltage Harmonics	Up to 31st harmonic (L-N and L-L)
Current Harmonics	Up to 31st harmonic
Voltage / Current Accuracy	±0.5%
Active Energy Accuracy	±1%
Reactive Energy Accuracy	±2%
ELECTRICAL CHARACTERISTICS	
Operating Voltage	85–240 V AC
Operating Frequency	50/60 Hz
Operating Power	<10 VA
Input Voltage (L-N)	5–330 V AC
Voltage Measuring Range	5 V–330 kV
Input Current	1 mA–5.5 A
Current Measuring Range	1 mA–50,000 A
Current Transformer Ratio	1–1000
Voltage Transformer Ratio	1.0–9999
Supported Connection	3P3W
COMMUNICATION & FUNCTIONS	
Communication	RS485 Modbus RTU
Relay Output	Adjustable
Contact Input	3 A / 250 V AC (Resistive Load)
Memory	Energy and demand records can be deleted

Password Protection	Menu is password protected
DISPLAY & MECHANICAL CHARACTERISTICS	
Display	71.5 × 61.5 mm Custom Design Glass LCD
Panel Size	96 × 96 mm
Panel Cut-Out	91 × 91 mm
Connection Type	Plug-in Terminal Connection
Cable Cross-Section	1.5 mm²
Weight	<300 g
Protection Degree	IP54 Front Panel / IP20 Body
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C



REPRESENTATIVE IMAGE

EA-C5

EA-C5 Three-Phase Energy Analyzer

The VTEKE EA-C5 is an advanced three-phase panel-mounted energy analyzer designed for comprehensive measurement, energy monitoring and power quality monitoring in low- and medium-voltage electrical systems. It measures voltage, current, frequency, active, reactive and apparent power, power factor, energy, and harmonic components up to the 55th harmonic.

KEY FEATURES

- Three-phase electrical measurement and energy monitoring
- Active, reactive and apparent power measurement
- Import and export active energy measurement
- Inductive and capacitive reactive energy measurement
- True power factor and cos ϕ measurement
- Voltage and current harmonics up to the 55th harmonic
- Total Harmonic Distortion measurement (THD-V and THD-I)
- Frequency measurement
- Demand monitoring and recording
- Event logging for electrical parameters and THD limits
- Real-time clock with date and time setting
- RS485 Modbus RTU communication
- 2 adjustable relay outputs
- 1 digital input
- Configurable CT and VT ratios

SPECIFICATIONS

MEASUREMENT CHARACTERISTICS	
Voltage Measurement	Phase-to-phase, Phase-to-neutral
Current Measurement	I1, I2, I3, ΣI
Frequency	F1, F2, F3
Active Power	P1, P2, P3, ΣP
Reactive Power	Q1, Q2, Q3, ΣQ
Apparent Power	S1, S2, S3, ΣS
Power Factor	True PF, cos ϕ of each phase
Active Energy	ΣkWh (Import & Export)
Reactive Energy	ΣkVArh (Inductive & Capacitive)
Total Harmonic Distortion	THD-V, THD-I
Voltage Harmonics	Up to 55th harmonic (L-N and L-L)
Current Harmonics	Up to 55th harmonic
Voltage / Current Accuracy	±0.2%
Active Energy Accuracy	±0.5%
Reactive Energy Accuracy	±1%
ELECTRICAL CHARACTERISTICS	
Operating Voltage	85–240 V AC

- Internal memory for energy, demand and event records
- Password-protected menu
- Custom-design glass LCD
- 96 × 96 mm panel-mounted design

Operating Frequency	50/60 Hz
Operating Power	<10 VA
Input Voltage (L-N)	1–330 V AC
Voltage Measuring Range	1 V–600 kV
Input Current	1 mA–5.5 A
Current Measuring Range	1 mA–50,000 A
Current Transformer Ratio	1–5000
Voltage Transformer Ratio	1.0–9999
Supported Connection	3P4W
COMMUNICATION & FUNCTIONS	
Communication	RS485 Modbus RTU
Relay Output	2 Adjustable Relay Outputs
Relay Contact Rating	2 A / 250 V AC (Resistive Load)
Digital Input	9–24 V DC
Event Logs	High/low voltage, power interruption, voltage/current imbalances, high current, THD-V and THD-I limits
Real-Time Clock	Date and time can be set
Memory	Energy values, demand records and event logs can be deleted
Password Protection	Menu is password protected
DISPLAY & MECHANICAL CHARACTERISTICS	
Display	71.5 × 61.5 mm Custom Design Glass LCD
Panel Size	96 × 96 mm
Panel Cut-Out	91 × 91 mm
Cable Cross-Section	1.5 mm²
Protection Degree	IP41 Front Panel / IP20 Body
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C



Full product range · 2026

Power Factor Correction

2 products · Power Factor Controllers

Power Factor Controllers



REPRESENTATIVE IMAGE

PFC-07

PFC-07 Power Factor Controller 7 teps

The VTEKE PFC-07 is a 7-step automatic power factor controller designed for reactive power compensation in three-phase electrical systems. It automatically controls capacitor steps according to the reactive power requirements of the installation, helping maintain the required power factor.

KEY FEATURES

- 7-step automatic reactive power compensation
- Automatic current transformer test
- 100 mA current sensitivity
- 3 × 20 mm LED display
- Level and status LED indicators
- 5 A / 250 V AC resistive-load relay contacts
- Panel-mounted design

SPECIFICATIONS

COMPENSATION & CONTROL	
Number of Steps	7 Steps
Current Sensitivity	100 mA
Current Transformer Test	Automatic
ELECTRICAL CHARACTERISTICS	
Operating Voltage	160–260 V AC
Operating Power	<10 VA
Current Range	80 mA–5.5 A
OUTPUT CHARACTERISTICS	
Relay Contact Rating	5 A / 250 V AC, Resistive Load
DISPLAY & MECHANICAL	
Display	3 × 20 mm Display and LEDs
Panel Cut-Out	139 × 139 mm
Connection Type	Terminal Connection
Cable Cross-Section	1.5 mm²
Weight	<900 g
ENVIRONMENTAL	
Operating Temperature	-20°C to +55°C
Operating Altitude	<2000 m



REPRESENTATIVE IMAGE

PFC-12S

PFC-12S Power Factor Controller 12 Steps

The VTEKE PFC-12S is a 12-step automatic power factor controller designed for reactive power compensation in electrical installations. It continuously monitors electrical parameters and automatically controls capacitor steps to maintain the required power factor.

KEY FEATURES

- 12-step automatic reactive power compensation
- 7 compensation programs with manual compensation option
- Automatic step measurement
- Adjustable step drive, release and discharge times
- Adjustable voltage and current harmonic alarm values
- Adjustable over- and under-compensation alarm values
- Voltage, harmonic voltage/current, over- and under-compensation alarm output
- Automatic fan output
- Voltage and current monitoring
- Active, reactive and apparent power monitoring
- THD-I and THD-V monitoring
- cos ϕ and power factor monitoring
- Capacitive/inductive ratio monitoring
- Step value monitoring
- Voltage and current harmonics up to the 15th harmonic
- Panel-mounted design

SPECIFICATIONS

COMPENSATION & CONTROL	
Number of Steps	12 Steps
Compensation Programs	7 Programs + Manual Compensation
Automatic Step Measurement	Yes
Step Drive / Release / Discharge Times	Adjustable
Over / Under Compensation Alarm Values	Adjustable
Fan Output	Automatic
MEASUREMENT & MONITORING	
Voltage / Current / Frequency	Monitored
Active / Reactive / Apparent Power	Monitored
cos ϕ / Power Factor	Monitored
THD-V / THD-I	Monitored
Capacitive / Inductive Ratios	Monitored
Step Values	Monitored
Voltage Harmonics	Up to 15th harmonic
Current Harmonics	Up to 15th harmonic
Voltage / Current / Cosine Accuracy	±1%
Active Energy Accuracy	±2%
Reactive Energy Accuracy	±2%
ELECTRICAL CHARACTERISTICS	
Operating Voltage	100–300 V AC
Operating Frequency	50/60 Hz
Operating Power	<10 VA
Voltage Measuring Range	10–300 V
Input Current	10 mA–5.5 A
Current Transformer Measuring Range	5/5 A–10,000/5 A
Cosine Measuring Range	0 to 1

OUTPUTS & ALARMS	
Step Outputs	3 A / 250 V AC, Resistive Load
Fan Output	3 A / 250 V AC, Resistive Load
Alarm Output	3 A / 250 V AC, Resistive Load
Alarm Functions	Voltage, Harmonic Voltage/Current, Over- and Under-Compensation
Harmonic Alarm Values	Adjustable
MECHANICAL	
Panel Cut-Out	140 × 140 mm
Connection Type	Plug-in Terminal Connection
Cable Cross-Section	1.5 mm²; 2.5 mm² for CT & voltage connections
Mounting	Front panel mounting
Weight	<900 g
Protection Degree	IP41 Front Panel / IP20 Body
ENVIRONMENTAL	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m



Full product range · 2026

Control Relays

12 products · Time Relays · Level Liquid Relays

Time Relays



REPRESENTATIVE IMAGE

DTR-03M

DTR-03M – ON/OFF Delay Timer, 3 Min

The VTEKE DTR-03M Series is an electronic timer relay designed for time-delay control in automation, industrial control and machinery applications. It is available in ON-delay (DTR-03M) and OFF-delay (DTR-03MD) versions, with an adjustable timing range up to 3 min.

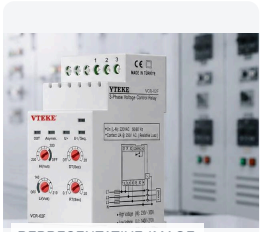
KEY FEATURES

- ON-delay and OFF-delay versions
- Adjustable timing up to 3 min
- Reliable time-dependent switching for control circuits
- Compact design for electrical and automation panels
- Clear operating status indication

SPECIFICATIONS

TIMING & CONTROL CHARACTERISTICS	
Timing Range	Up to 3 min
Time Adjustment	Adjustable
Available Functions	ON Delay / OFF Delay
Switching Time	10 ms
ELECTRICAL CHARACTERISTICS	
Operating Voltage	A1-A2: 24 V AC/DC
Operating Voltage	A1-A3: 220 V AC
Operating Frequency	50/60 Hz
Operating Power	<4 VA
OUTPUT CHARACTERISTICS	
Contact Configuration	1NO + 1NC (SPDT)
Contact Rating — 28 V DC	10 A
Contact Rating — 250 V AC	7 A
Contact Rating — 125 V AC	10 A
Contact Rating — 120 V AC	12 A
MECHANICAL CHARACTERISTICS	
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail

Weight	<120 g
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m
DIMENSIONS	
Width	19.10 mm



REPRESENTATIVE IMAGE

DTR-30

DTR-30 – ON/OFF Delay Timer, 30 Seconds

The VTEKE DTR-30 Series is an electronic timer relay designed for time-delay control in automation, industrial control and machinery applications. It is available in ON-delay (DTR-30) and OFF-delay (DTR-30D) versions, with an adjustable timing range up to 30 s.

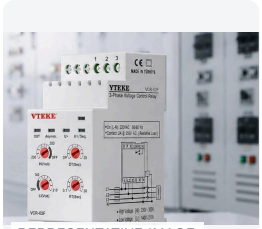
KEY FEATURES

- ON-delay and OFF-delay versions
- Adjustable timing up to 30 s
- Reliable time-dependent switching for control circuits
- Compact design for electrical and automation panels
- Clear operating status indication

SPECIFICATIONS

TIMING & CONTROL CHARACTERISTICS	
Timing Range	Up to 30 s
Time Adjustment	Adjustable
Available Functions	ON Delay / OFF Delay
Switching Time	10 ms
ELECTRICAL CHARACTERISTICS	
Operating Voltage	A1-A2: 24 V AC/DC
Operating Voltage	A1-A3: 220 V AC
Operating Frequency	50/60 Hz
Operating Power	<4 VA
OUTPUT CHARACTERISTICS	
Contact Configuration	1NO + 1NC (SPDT)
Contact Rating — 28 V DC	10 A
Contact Rating — 250 V AC	7 A
Contact Rating — 125 V AC	10 A
Contact Rating — 120 V AC	12 A
MECHANICAL CHARACTERISTICS	
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Weight	<120 g
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C

Working Altitude	<2000 m
DIMENSIONS	
Width	19.10 mm



REPRESENTATIVE IMAGE

DTR-60

DTR-60 – ON/OFF Delay Timer, 60 Seconds

The VTEKE DTR-60 Series is an electronic timer relay designed for time-delay control in automation, industrial control and machinery applications. It is available in ON-delay (DTR-60) and OFF-delay (DTR-60D) versions, with an adjustable timing range up to 60 s.

KEY FEATURES

- ON-delay and OFF-delay versions
- Adjustable timing up to 60 s
- Reliable time-dependent switching for control circuits
- Compact design for electrical and automation panels
- Clear operating status indication

SPECIFICATIONS

TIMING & CONTROL CHARACTERISTICS	
Timing Range	Up to 60 s
Time Adjustment	Adjustable
Available Functions	ON Delay / OFF Delay
Switching Time	10 ms
ELECTRICAL CHARACTERISTICS	
Operating Voltage	A1-A2: 24 V AC/DC
Operating Voltage	A1-A3: 220 V AC
Operating Frequency	50/60 Hz
Operating Power	<4 VA
OUTPUT CHARACTERISTICS	
Contact Configuration	1NO + 1NC (SPDT)
Contact Rating — 28 V DC	10 A
Contact Rating — 250 V AC	7 A
Contact Rating — 125 V AC	10 A
Contact Rating — 120 V AC	12 A
MECHANICAL CHARACTERISTICS	
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Weight	<120 g
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m
DIMENSIONS	
Width	19.10 mm



REPRESENTATIVE IMAGE

DTR-SD

DTR-SD Star-Delta Time Relay

The VTEKE DTR-SD is a Star-Delta Timer Relay designed for automatic star-delta starting of three-phase motors. It controls the transition from star to delta operation using an adjustable star operating time and a defined transition delay between the star and delta stages.

KEY FEATURES

- Designed for automatic star-delta motor starting
- Adjustable star operating time from 1 to 30 seconds
- Adjustable transition time from 100 to 500 ms
- DIN rail mounting
- Plug-in connection

SPECIFICATIONS

TIMING CHARACTERISTICS	
Star Time (λON)	1–30 s
Transition Time (tOFF)	100–500 ms
Switching Time	10 ms
ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	24–250 V AC/DC
Operating Frequency	50/60 Hz
Operating Power	<4 VA
Contact Configuration	2 × (1NO)
OUTPUT CHARACTERISTICS	
Contact Rating	5 A / 30 V DC
Contact Rating	10 A / 250 V AC
Contact Rating	12.5 A / 125 V AC
MECHANICAL CHARACTERISTICS	
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Weight	<120 g
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m



REPRESENTATIVE IMAGE

FTR-07

FTR-07 Right-Left Time Relay

The VTEKE FTR-07 is a time relay designed for automatic alternating right-left operation. It enables precise control of two independent loads by using the same adjustable working time for both outputs, together with an adjustable delay time between their operation.

KEY FEATURES

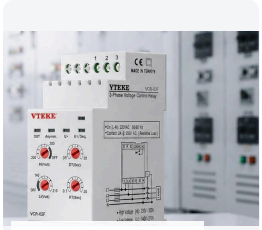
- Automatic right-left sequential operation

SPECIFICATIONS

TIMING CHARACTERISTICS	

- Same adjustable working time for both outputs
- Adjustable delay time between output operations
- DIN rail mounting
- Plug-in connection

Working Time (tON)	Up to 100 h
Delay Time (tOFF)	Up to 100 h
Switching Time	10 ms
TIME RANGES	
A	10 s
B	100 s
C	10 min
D	100 min
E	10 h
F	100 h
ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	24–250 V AC/DC
Operating Frequency	50/60 Hz
Operating Power	<4 VA
Contact Configuration	2 × NO
OUTPUT CHARACTERISTICS	
Contact Rating	5 A / 30 V DC
Contact Rating	10 A / 250 V AC
Contact Rating	12.5 A / 125 V AC
MECHANICAL CHARACTERISTICS	
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Weight	<120 g
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m


REPRESENTATIVE IMAGE

FTR-08

FTR-08 Multi-Range ON/OFF Delay Time Relay

The VTEKE FTR-08 is a multi-range timer relay designed for time-controlled switching applications. It is available with ON-delay and OFF-delay functions, providing adjustable timing control for different industrial and automation applications.

KEY FEATURES

- ON-delay and OFF-delay timing functions
- Multiple selectable time ranges
- Timing range up to 100 hours

SPECIFICATIONS

TIMING CHARACTERISTICS	
Timing Functions	ON-Delay / OFF-Delay
Delay Time	Up to 100 h

- DIN rail mounting
- Plug-in connection

Switching Time	10 ms
TIME RANGES	
A	10 s
B	100 s
C	10 min
D	100 min
E	10 h
F	100 h
ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	24 V AC/DC / 230 V AC
Operating Frequency	50/60 Hz
Operating Power	<4 VA
Contact Configuration	1NO + 1NC (SPDT)
OUTPUT CHARACTERISTICS	
Contact Rating	10 A / 28 V DC
Contact Rating	7 A / 250 V AC
Contact Rating	10 A / 125 V AC
Contact Rating	12 A / 120 V AC
MECHANICAL CHARACTERISTICS	
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Weight	<120 g
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m


REPRESENTATIVE IMAGE

FTR-08M

FTR-08M Multi-Range Delay Time Relay

The VTEKE FTR-08M is a multi-range ON-delay timer relay designed for precise and flexible timing control in industrial and automation applications. With multiple selectable time ranges, it provides reliable control for applications requiring adjustable delayed switching.

KEY FEATURES

- Wide operating voltage range
- ON-delay timing function
- Multiple selectable time ranges
- Timing range up to 100 hours

SPECIFICATIONS

TIMING CHARACTERISTICS	
Timing Function	ON-Delay
Delay Time	Up to 100 h
Switching Time	10 ms

- DIN rail mounting
- Plug-in connection

TIME RANGES	
A	10 s
B	100 s
C	10 min
D	100 min
E	10 h
F	100 h
ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	24–250 V AC/DC
Operating Frequency	50/60 Hz
Operating Power	<4 VA
Contact Configuration	1NO + 1NC (SPDT)
OUTPUT CHARACTERISTICS	
Contact Rating	10 A / 28 V DC
Contact Rating	7 A / 250 V AC
Contact Rating	10 A / 125 V AC
Contact Rating	12 A / 120 V AC
MECHANICAL CHARACTERISTICS	
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Weight	<120 g
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m


REPRESENTATIVE IMAGE

FTR-08MS

FTR-08MS MultiRange Time Relay with Adjustable Function

The VTEKE FTR-08MS is a multi-range timer relay designed for precise and flexible timing control in industrial and automation applications. The timing function can be selected by the user between ON-delay and OFF-delay, providing flexible control for different timing requirements.

KEY FEATURES

- User-selectable ON-delay / OFF-delay function
- Wide operating voltage range
- Multiple selectable time ranges
- Timing range up to 100 hours
- DIN rail mounting

SPECIFICATIONS

TIMING CHARACTERISTICS	
Timing Function	Selectable ON-Delay / OFF-Delay
Function Selection	User-selectable
Delay Time	Up to 100 h
Switching Time	10 ms

- Plug-in connection

TIME RANGES	
A	10 s
B	100 s
C	10 min
D	100 min
E	10 h
F	100 h
ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	24–250 V AC/DC
Operating Frequency	50/60 Hz
Operating Power	<4 VA
Contact Configuration	1NO + 1NC (SPDT)
OUTPUT CHARACTERISTICS	
Contact Rating	10 A / 28 V DC
Contact Rating	7 A / 250 V AC
Contact Rating	10 A / 125 V AC
Contact Rating	12 A / 120 V AC
MECHANICAL CHARACTERISTICS	
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Weight	<120 g
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m


REPRESENTATIVE IMAGE

FTR-10

FTR-10 Multifunction Time Relay

The VTEKE FTR-10 is a multifunction timer relay designed for flexible timing control in industrial and automation applications. With 10 selectable timing functions and multiple adjustable time ranges, it provides a versatile solution for different timing and control requirements.

KEY FEATURES

- 10 selectable timing functions
- Multiple selectable time ranges
- Wide operating voltage range
- Control input for supported timing functions
- DIN rail mounting

SPECIFICATIONS

TIMING CHARACTERISTICS	
Number of Timing Functions	10
Delay Time	0.1 s – 100 h
Switching Time	10 ms
SELECTABLE TIME RANGES	

- Plug-in connection

1	0.1–1 s
2	0.5–5 s
3	1–10 s
4	3–30 s
5	6–60 s
6	1–10 min
7	3–30 min
8	6–60 min
9	1–10 h
10	10–100 h
ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	24–250 V AC/DC
Operating Frequency	50/60 Hz
Operating Power	<4 VA
Contact Configuration	1NO + 1NC (SPDT)
OUTPUT CHARACTERISTICS	
Contact Rating	10 A / 28 V DC
Contact Rating	7 A / 250 V AC
Contact Rating	10 A / 125 V AC
Contact Rating	12 A / 120 V AC
MECHANICAL CHARACTERISTICS	
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Weight	<120 g
Protection Degree	IP20
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m
SELECTABLE TIMING FUNCTIONS	
A	ON Delay
B	OFF Delay
C	Control ON Delay
D	Control OFF Delay
E	Single Shot Leading Edge – Control Input
F	Single Shot Trailing Edge – Control Input
G	ON Delay and OFF Delay with Control
H	Pulse Output with Control

I	Flasher
K	Flasher with Control

Level Liquid Relays



REPRESENTATIVE IMAGE

LLR–05

LLR-05 Liquid Level Control Relay

The VTEKE LLR-05 is a liquid level control relay designed for automatic filling and draining of liquid storage tanks. Three sensing electrodes monitor liquid levels and control pump operation. Adjustable sensitivity supports liquids with different conductivities.

KEY FEATURES

- Automatic filling and draining control
- Three-electrode liquid level detection
- Adjustable sensitivity for different liquid conductivities
- Automatic pump control at minimum and maximum levels
- LED operating-status indicators
- Relay output for pump control
- DIN rail mounting

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	85–250 V AC/DC
Operating Frequency	50/60 Hz
Operating Power	<4 VA
CONTROL CHARACTERISTICS	
Level Detection	Conductive electrodes
Sensitivity	5–100 kΩ
Sensitivity Adjustment	Adjustable
Switching Time	10 ms
Control Function	Automatic filling and draining
Electrode Configuration	B (bottom), L (lower), U (upper)
OUTPUT CHARACTERISTICS	
Contact Configuration	1NO + 1NC (SPDT)
Contact Rating (Resistive Load)	10 A at 28 V DC; 7 A at 250 V AC; 10 A at 125 V AC; 12 A at 120 V AC
OPERATING CONDITIONS	
Operating Temperature	-20°C to +55°C
MECHANICAL CHARACTERISTICS	
Mounting	DIN rail
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Dimensions (H × W × D)	90.5 × 35.2 × 64.5 mm



REPRESENTATIVE IMAGE

LLR–05U

LLR-05U Liquid Level Control Relay with Adjustable Delay

The VTEKE LLR-05U controls automatic filling and draining of liquid tanks using three sensing electrodes. It features adjustable sensitivity and a relay activation delay of 1 second to 30 minutes, with LED indication of electrode and relay status.

KEY FEATURES

- Automatic filling and draining control
- Three-electrode liquid level detection
- Adjustable sensitivity
- Adjustable relay activation delay: 1 s–30 min
- Pump control at minimum and maximum levels
- LED indication for relay, electrodes and delay
- Relay output for pump control
- DIN rail mounting

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	85–250 V AC/DC
Operating Frequency	50/60 Hz
Operating Power	<4 VA
CONTROL CHARACTERISTICS	
Level Detection	Conductive electrodes
Sensitivity	5–100 kΩ
Sensitivity Adjustment	Adjustable
Switching Time	10 ms
Control Function	Automatic filling and draining
Electrode Configuration	B (bottom), L (lower), U (upper)
Delay Time (DT)	1 second–30 minutes, adjustable
OUTPUT CHARACTERISTICS	
Contact Configuration	1NO + 1NC (SPDT)
Contact Rating (Resistive Load)	10 A at 28 V DC; 7 A at 250 V AC; 10 A at 125 V AC; 12 A at 120 V AC
OPERATING CONDITIONS	
Operating Temperature	-20°C to +55°C
MECHANICAL CHARACTERISTICS	
Mounting	DIN rail
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Dimensions (H × W × D)	90.5 × 35.2 × 64.5 mm



REPRESENTATIVE IMAGE

LLR–06

LLR-06 Multifunction Liquid Level Control Relay

The VTEKE LLR-06 is a multifunction liquid level control relay for automatic filling and draining. Five operating modes support single-tank control with two or three sensors and simultaneous filling/draining control involving two tanks with six sensors. Adjustable sensitivity and delay provide flexible pump control.

KEY FEATURES

- Automatic filling and draining control
- Simultaneous two-tank filling and draining with 6 sensors
- Single-tank control with 2 or 3 sensors
- Five operating modes
- Adjustable sensitivity for liquid conductivity
- Adjustable delay: 1 s–30 min
- LED operating-status indication
- SPDT relay output
- DIN rail mounting

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	85–250 V AC/DC
Operating Frequency	50/60 Hz
Operating Power	<4 VA
CONTROL CHARACTERISTICS	
Level Detection	Conductive electrodes
Sensitivity	5–100 kΩ
Sensitivity Adjustment	Adjustable
Switching Time	10 ms
Control Function	Filling and draining
Number of Operating Modes	5
Sensor Configurations	2, 3 or 6 sensors (mode-dependent)
Delay Time (DT)	1 second–30 minutes, adjustable
OUTPUT CHARACTERISTICS	
Contact Configuration	1NO + 1NC (SPDT)
Contact Rating (Resistive Load)	10 A at 28 V DC; 7 A at 250 V AC; 10 A at 125 V AC; 12 A at 120 V AC
OPERATING CONDITIONS	
Operating Temperature	-20°C to +55°C
MECHANICAL CHARACTERISTICS	
Mounting	DIN rail
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Dimensions (H × W × D)	90.5 × 35.2 × 64.5 mm



Full product range · 2026

Protection Relays

8 products · Earth Leakage Relay · Voltage Control Relays · Phase Failure and Sequence Relays · Current Protection Relays

Earth Leakage Relay


REPRESENTATIVE IMAGE

ELR–V3

ELR-V3 Earth leakage relay

The VTEKE ELR-V3 is an earth leakage relay designed to monitor RMS earth leakage current and provide protection against earth leakage faults. Used together with a Core Balance Current Transformer (CBCT), it continuously monitors leakage current and operates the relay output when the configured leakage current threshold and delay conditions are reached.

KEY FEATURES

- RMS earth leakage current monitoring
- Multiple selectable leakage current thresholds
- Adjustable trip delay time
- LED leakage level indication
- On-device Reset and Test functions
- Remote reset function
- CBCT open-circuit detection
- CBCT short-circuit detection
- DIN rail mounting

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	220 V AC ±15%
Operating Power	<4 VA
Leakage Current Threshold	30 mA – 30 A
Accuracy	±10%
Delay Time	0 – 9 s
Contact Configuration	1NO + 1NC (SPDT)
Switching Time	10 ms
OUTPUT CHARACTERISTICS	
Contact Rating	10 A / 28 V DC
Contact Rating	7 A / 250 V AC
Contact Rating	10 A / 125 V AC
Contact Rating	12 A / 120 V AC
MECHANICAL CHARACTERISTICS	
Connection Type	Plug-in
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Weight	<120 g
Protection Class	IP20

ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C
Working Altitude	<2000 m

Voltage Control Relays



REPRESENTATIVE IMAGE

VCR-11

Single-Phase Voltage Control Relay

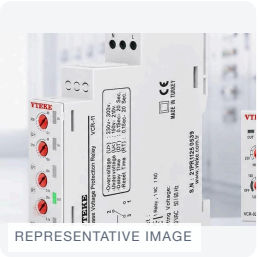
The VTEKE VCR-11 is a voltage control relay designed to protect electrical systems and equipment against abnormal voltage conditions in single-phase applications. It monitors the supply voltage and provides protection against overvoltage, undervoltage, and insufficient supply voltage.

KEY FEATURES

- Overvoltage and undervoltage monitoring
- Insufficient supply voltage detection
- Adjustable overvoltage and undervoltage thresholds
- Adjustable delay time
- Adjustable reset time
- LED status and fault indication
- DIN rail mounting

SPECIFICATIONS

ADJUSTABLE SETTINGS	
Overvoltage U>	230–300 V AC (L-N)
Undervoltage U<	150–210 V AC (L-N)
Delay Time DT	0.5–20 s
Reset Time RT	0.5–20 s
ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	220 V AC (L-N)
Operating Frequency	50/60 Hz
Operating Power	<4 VA
Overvoltage U>	230–300 V AC (L-N)
Undervoltage U<	150–210 V AC (L-N)
Delay Time DT	0.5–20 s
Reset Time RT	0.5–20 s
Contact Configuration	1NO + 1NC (SPDT)
OUTPUT CHARACTERISTICS	
Contact Rating	10 A / 28 V DC
Contact Rating	7 A / 250 V AC
Contact Rating	10 A / 125 V AC
Contact Rating	12 A / 120 V AC
MECHANICAL CHARACTERISTICS	
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Protection Class	IP20



REPRESENTATIVE IMAGE

VCR-02F

Three-Phase Voltage and Phase Sequence Control Relay with Neutral (3P+N)

The VTEKE VCR-02F is a voltage control relay designed to protect electrical systems and equipment against abnormal voltage and phase conditions in three-phase applications. It monitors the supply voltage and provides protection against overvoltage, undervoltage, insufficient supply voltage, phase failure, phase sequence error, and neutral absence.

KEY FEATURES

- Overvoltage and undervoltage monitoring
- Phase sequence error protection
- Phase failure protection
- Neutral absence detection
- Insufficient supply voltage detection
- Adjustable overvoltage and undervoltage thresholds
- Adjustable delay time
- Adjustable reset time
- LED status and fault indication
- DIN rail mounting

SPECIFICATIONS

ADJUSTABLE SETTINGS	
Overvoltage U>	230–300 V AC (L-N)
Undervoltage U<	140–210 V AC (L-N)
Delay Time DT	0.1–20 s
Reset Time RT	0.1–20 s
ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	3 × 380 V AC (L-L) + N
Operating Frequency	50/60 Hz
Operating Power	<4 VA
Overvoltage U>	230–300 V AC (L-N)
Undervoltage U<	140–210 V AC (L-N)
Contact Configuration	1NO + 1NC (SPDT)
OUTPUT CHARACTERISTICS	
Contact Rating	10 A / 28 V DC
Contact Rating	7 A / 250 V AC
Contact Rating	10 A / 125 V AC
Contact Rating	12 A / 120 V AC
MECHANICAL CHARACTERISTICS	
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Protection Class	IP20



REPRESENTATIVE IMAGE

VCR-03F

Three-Phase Voltage and Phase Sequence Control Relay without Neutral (3P)

The VTEKE VCR-03F is a voltage control relay designed to protect electrical systems and equipment against abnormal voltage and phase conditions in three-phase applications. It monitors the supply voltage and provides protection against overvoltage, undervoltage, insufficient supply voltage, phase failure, phase sequence error, and neutral absence.

KEY FEATURES

- Overvoltage and undervoltage monitoring
- Phase sequence error protection
- Phase failure protection
- Neutral absence detection
- Insufficient supply voltage detection
- Adjustable overvoltage and undervoltage thresholds
- Adjustable delay time
- Adjustable reset time
- LED status and fault indication
- DIN rail mounting

SPECIFICATIONS

ADJUSTABLE SETTINGS	
Overvoltage U>	400–510 V AC (L-L)
Undervoltage U<	260–370 V AC (L-L)
Delay Time DT	0.1–20 s
Reset Time RT	0.1–20 s
ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	3 × 380 V AC (L-L)
Operating Frequency	50/60 Hz
Operating Power	<4 VA
Overvoltage U>	400–510 V AC (L-L)
Undervoltage U<	260–370 V AC (L-L)
Contact Configuration	1NO + 1NC (SPDT)
OUTPUT CHARACTERISTICS	
Contact Rating	10 A / 28 V DC
Contact Rating	7 A / 250 V AC
Contact Rating	10 A / 125 V AC
Contact Rating	12 A / 120 V AC
MECHANICAL CHARACTERISTICS	
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Protection Class	IP20



REPRESENTATIVE IMAGE

VCR-02

Three-Phase Voltage Control Relay

The VTEKE VCR-02 is a voltage control relay designed to protect electrical systems and equipment against abnormal voltage conditions in three-phase applications. It monitors the supply voltage and provides protection against overvoltage, undervoltage, insufficient supply voltage, phase failure, and neutral absence.

KEY FEATURES

- Overvoltage and undervoltage monitoring
- Phase failure protection
- Neutral absence detection
- Insufficient supply voltage detection
- Adjustable overvoltage and undervoltage thresholds
- Adjustable delay time
- Adjustable reset time
- LED status and fault indication
- DIN rail mounting

SPECIFICATIONS

ADJUSTABLE SETTINGS	
Overvoltage U>	230–300 V AC (L-N)
Undervoltage U<	140–210 V AC (L-N)
Delay Time DT	0.1–20 s
Reset Time RT	0.1–20 s
ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	3 × 380 V AC (L-L) + N
Operating Frequency	50/60 Hz
Operating Power	<4 VA

Overvoltage U>	230–300 V AC (L-N)
Undervoltage U<	140–210 V AC (L-N)
Contact Configuration	1NO + 1NC (SPDT)
OUTPUT CHARACTERISTICS	
Contact Rating	10 A / 28 V DC
Contact Rating	7 A / 250 V AC
Contact Rating	10 A / 125 V AC
Contact Rating	12 A / 120 V AC
MECHANICAL CHARACTERISTICS	
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Protection Class	IP20

Phase Failure and Sequence Relays



REPRESENTATIVE IMAGE

PPR-05F

Three-Phase Failure and Sequence Protection Relay with Neutral (3P+N)

The VTEKE PPR-05F is a phase failure relay designed to protect three-phase electrical systems and equipment against abnormal phase and voltage conditions. It monitors the three-phase supply and provides protection against phase failure, phase sequence error, voltage asymmetry, overvoltage, undervoltage, insufficient supply voltage, and neutral absence.

KEY FEATURES

- Phase failure monitoring
- Phase sequence error protection
- Adjustable voltage asymmetry protection
- Overvoltage and undervoltage protection
- Insufficient supply voltage detection
- Neutral absence detection
- Adjustable delay time
- Adjustable reset time
- LED status and fault indication
- DIN rail mounting

SPECIFICATIONS

ADJUSTABLE SETTINGS	
Asymmetry	5–25%
Delay Time DT	0.1–20 s
Reset Time RT	0.1–20 s
ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	3 × 380 V AC (L-L) + N
Operating Frequency	50/60 Hz
Operating Power	<4 VA
Asymmetry	5–25%
Overvoltage U>	300 V AC (L-N)
Undervoltage U<	140 V AC (L-N)
Delay Time DT	0.1–20 s
Reset Time RT	0.1–20 s
Contact Configuration	1NO + 1NC (SPDT)
OUTPUT CHARACTERISTICS	

Contact Rating	10 A / 28 V DC
Contact Rating	7 A / 250 V AC
Contact Rating	10 A / 125 V AC
Contact Rating	12 A / 120 V AC
MECHANICAL CHARACTERISTICS	
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail
Protection Class	IP20



REPRESENTATIVE IMAGE

PPR-06F

Three-Phase Failure and Sequence Protection Relay without Neutral (3P)

The VTEKE PPR-06F is a phase failure relay designed to protect three-phase electrical systems and equipment against abnormal phase and voltage conditions. It monitors the three-phase supply and provides protection against phase failure, phase sequence error, voltage asymmetry, overvoltage, undervoltage, and insufficient supply voltage.

KEY FEATURES

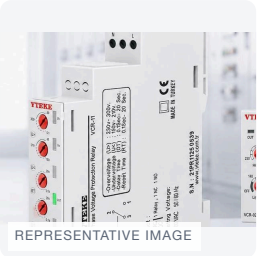
- Phase failure monitoring
- Phase sequence error protection
- Adjustable voltage asymmetry protection
- Overvoltage and undervoltage protection
- Insufficient supply voltage detection
- Adjustable delay time
- Adjustable reset time
- LED status and fault indication
- DIN rail mounting

SPECIFICATIONS

ADJUSTABLE SETTINGS	
Asymmetry	5–25%
Delay Time DT	0.1–20 s
Reset Time RT	0.1–20 s
ELECTRICAL CHARACTERISTICS	
Operating Voltage (Un)	3 × 380 V AC (L-L)
Operating Frequency	50/60 Hz
Operating Power	<4 VA
Asymmetry	5–25%
Overvoltage U>	500 V AC (L-L)
Undervoltage U<	240 V AC (L-L)
Delay Time DT	0.1–20 s
Reset Time RT	0.1–20 s
Contact Configuration	1NO + 1NC (SPDT)
OUTPUT CHARACTERISTICS	
Contact Rating	10 A / 28 V DC
Contact Rating	7 A / 250 V AC
Contact Rating	10 A / 125 V AC
Contact Rating	12 A / 120 V AC
MECHANICAL CHARACTERISTICS	
Maximum Wire Size	1.5 mm²
Mounting	DIN Rail

Protection Class	IP20

Current Protection Relays



REPRESENTATIVE IMAGE

DOR

Digital Overload Relay

The VTEKE DOR Series is a digital overload relay designed to monitor three-phase motor current and provide protection against overcurrent/overload and current asymmetry. The series is available in different current ranges to support various motor and load requirements.

KEY FEATURES

- Three-phase current monitoring
- Overcurrent / overload protection
- Current asymmetry monitoring
- Adjustable trip delay time
- Digital current display
- LED status indication
- Relay output for contactor control
- DIN rail mounting

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Operating Voltage	150–260 V AC
Operating Frequency	50/60 Hz
Operating Power	<6 VA
DOR-25 Current Range	0.1–25 A AC
DOR-50 Current Range	15–50 A AC
DOR-100 Current Range	40–100 A AC
DOR-200 Current Range	90–200 A AC
DOR-400 Current Range	290–400 A AC
Asymmetry	50% fixed
Waiting Time (t)	0.1–20 s
Contact Configuration	1NO + 1NC
Contact Rating	5 A / 250 V AC
DISPLAY & INDICATION	
Display	3 Displays
LED Indication	5 LEDs
MECHANICAL & ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	-20°C to +55°C
Protection Class	IP20
Connection Type	Terminal Connection
Maximum Cable Size	2.5 mm²
Mounting	DIN Rail Mounting
Weight	<250 g
Working Altitude	<2000 m



Full product range · 2026

Converters

8 products · Battery Chargers · Power Supplies · Current Transducers · Voltage Transducers

Battery Chargers



REPRESENTATIVE IMAGE

VBC 140W

140 W Battery Charger

The VTEKE 140 W Battery Charger is designed for charging lead-acid engine starter and AGM batteries. Based on switch-mode power supply technology, it provides reliable battery charging with a wide input voltage range and integrated protection features.

KEY FEATURES

- Suitable for lead-acid engine starter and AGM batteries
- Switch-mode power supply technology
- Wide AC and DC input voltage range
- High efficiency
- Reverse polarity protection
- Input failure and blown fuse alarm
- Input noise filter
- Fail/Work LED indicator
- Compact and lightweight design

SPECIFICATIONS

INPUT CHARACTERISTICS	
AC Input Voltage	220 V AC ±20%
DC Input Voltage	200–400 V DC
AC Input Frequency	50–400 Hz
Efficiency	>82% / >85%
OUTPUT CHARACTERISTICS	
DC Output Voltage	13.80 V / 27.60 V
DC Output Charge Current	10 A / 5 A
Output Power	140 W
Output Voltage Ripple	±1%
Voltage Regulation	±1%
Load Regulation	±1%
Start-up Time	100 ms
AVAILABLE CONFIGURATIONS	
Configuration 1	13.80 V / 10 A (VBC1210)
Configuration 2	27.60 V / 5 A (VBC2405)
OPERATING CONDITIONS	
Working Temperature	-20°C to +50°C
Working Humidity	20–70%
Storage Temperature	-20°C to +70°C

MECHANICAL SPECIFICATIONS	
Weight	700 g
Dimensions (L × W × H)	153 × 98 × 62 mm
Mounting	Screw Type / DIN Rail



REPRESENTATIVE IMAGE

VBC 175W

175 W Battery Charger

The VTEKE VBC-A05 Battery Charger is designed for charging 12 V and 24 V battery systems with automatic output voltage selection. Featuring integrated short-circuit, overload, reverse polarity and temperature protection, the charger provides reliable operation for industrial battery charging applications.

KEY FEATURES

- Automatic 12 V / 24 V output voltage selection
- Reverse battery connection protection
- Output short-circuit protection
- Overload protection
- High-temperature protection
- LED operating status indication
- High-efficiency charging performance
- Compact industrial design

SPECIFICATIONS

INPUT CHARACTERISTICS	
AC Input Voltage	150–270 V AC
DC Input Voltage	150–270 V DC
Input Current	Max. 0.87 A
Maximum Input Power	175 W
AC Input Frequency	45–78 Hz
Efficiency	>85%
OUTPUT CHARACTERISTICS	
DC Output Voltage	13.8–27.6 V DC (automatic selection)
DC Output Charging Current	5.0 A DC
Maximum Continuous Output Power	160 W
Output Ripple	<0.5% of Vo (peak-to-peak)
Load Regulation	<0.5% of Vo
Line Regulation	<0.01% of Vo
Warm-up Voltage Variation	<0.5% of Vo
Load Change Overshoot	<2% of Vo (100% to 0% load change)
Start-up Time	5 s
PROTECTION CHARACTERISTICS	
Reverse Battery Connection Protection	Integrated
Overload Protection	Output current limited to 6 A
Short-Circuit Protection	Output current limited to 6 A
High-Temperature Protection	Internal temperature limited to 85°C
Isolation Voltage	2 kV AC
LED Status Indication	Integrated

OPERATING CONDITIONS	
Maximum Temperature	75°C
Ambient Temperature Range	-30°C to +55°C
Storage Temperature Range	-30°C to +80°C
Maximum Relative Humidity	0.95
Protection Degree	IP20
MECHANICAL SPECIFICATIONS	
Model	VBC-A05
Output System	12 V / 24 V DC
Output Selection	Automatic
Dimensions	Refer to dimensional drawing



REPRESENTATIVE IMAGE

VBC 275W

275 W Battery Charger

The VTEKE 275 W Battery Charger is a microcontroller-controlled battery charger designed for 24 V battery systems. Its microcontroller manages charging operations and integrated protection functions to support reliable performance and extended product life. The series is available in plate-mounted (VBC2410) and DIN rail-mounted (VBC2410D) versions.

KEY FEATURES

- Microcontroller-controlled charging system
- High-efficiency switch-mode power supply technology
- Wide AC and DC input voltage range
- Temperature protection
- Short-circuit protection
- Automatic current reduction at elevated temperatures
- Reverse battery connection protection
- Input fuse protection and fault detection
- LED operating and fault indication
- Plate mounting or DIN rail mounting options

SPECIFICATIONS

INPUT CHARACTERISTICS	
AC Input Voltage	185–270 V AC
DC Input Voltage	250–390 V DC
AC Input Frequency	50–400 Hz
Efficiency	>85%
OUTPUT CHARACTERISTICS	
Battery System	24 V DC
DC Output Voltage	27.6 V DC
Rated Charging Current	10A
Output Power	275 W
Output Voltage Ripple	±1%
Voltage Regulation	±1%
Load Regulation	±1%
Start-up Time	100 ms
PROTECTION CHARACTERISTICS	
Input Protection	5 A fuse
Output Short-Circuit Protection	Electronic protection; continuous short-circuit operation
Short-Circuit Current Limit	15 A

Reverse Battery Connection Protection	Operation can be restored by replacing the output fuse
Temperature Protection	Integrated
Thermal Derating	Charging current reduction from 10 A to 5 A at elevated temperatures
LED Indication	Green: Normal operation; Red: Connection fault
OPERATING CONDITIONS	
Working Temperature	-20°C to +55°C
Working Humidity	20–70%
Storage Temperature	-20°C to +70°C
MECHANICAL & GENERAL CHARACTERISTICS	
Mounting — VBC2410	Plate mounting
Mounting — VBC2410D	DIN rail mounting
Power Conversion Method	Switch-Mode Power Supply (SMPS)
Switching Frequency	100 kHz



REPRESENTATIVE IMAGE

VBC 70W

70 W Battery Charger

The VTEKE 70 W Battery Charger is designed for charging lead-acid engine starter and AGM batteries. Based on switch-mode power supply technology, it provides reliable battery charging with a wide input voltage range and integrated protection features.

KEY FEATURES

- Suitable for lead-acid engine starter and AGM batteries
- Switch-mode power supply technology
- Wide AC and DC input voltage range
- High efficiency
- Reverse polarity protection
- Input failure and blown fuse alarm
- Input noise filter
- Fail/Work LED indicator
- Compact and lightweight design

SPECIFICATIONS

INPUT CHARACTERISTICS	
AC Input Voltage	220 V AC ±20%
DC Input Voltage	200–400 V DC
AC Input Frequency	50–400 Hz
Efficiency	>85%
OUTPUT CHARACTERISTICS	
DC Output Voltage	13.80 V / 34.5 V
DC Output Charge Current	5 A / 2.2 A
Output Power	70 W
Output Voltage Ripple	±1%
Voltage Regulation	±1%
Load Regulation	±1%
Start-up Time	100 ms
AVAILABLE CONFIGURATIONS	
Configuration 1	13.80 V / 5 A (VBC1205)
Configuration 2	34.5 V / 2.2 A (VBC3002)

OPERATING CONDITIONS	
Working Temperature	-20°C to +50°C
Working Humidity	20–70%
Storage Temperature	-20°C to +70°C
MECHANICAL SPECIFICATIONS	
Weight	700 g
Dimensions (L × W × H)	153 × 98 × 62 mm
Mounting	Screw Type / DIN Rail

Power Supplies



REPRESENTATIVE IMAGE

PSU 140W

140 W Power Supply Unit

The VTEKE 140 W PSU Series consists of switch-mode power supply units designed to convert AC input voltage into regulated DC power for industrial electrical equipment. Featuring a wide input voltage range, electronic short-circuit protection and overvoltage protection, the series provides a practical solution for industrial control and automation applications.

KEY FEATURES

- Switch-mode power supply (SMPS) technology
- Wide AC input voltage range
- Regulated DC output
- Electronic short-circuit protection
- Output overvoltage protection
- Adjustable output voltage
- LED operating status indication
- DIN rail mounting
- Compact design for industrial control panels

SPECIFICATIONS

INPUT CHARACTERISTICS	
AC Input Voltage	85–265 V AC
DC Input Voltage	120–400 V DC
AC Input Frequency	50–60 Hz
Efficiency	>80%
OUTPUT CHARACTERISTICS	
DC Output Voltage	5 V / 12 V / 24 V DC
Rated Output Current	12 A / 12 A / 6 A
Output Voltage Ripple	±1%
Output Voltage Adjustment	±10%
Voltage Regulation	±1%
Load Regulation	±1%
Start-up Time	100 ms
Output Short-Circuit Protection	Electronic protection
Short-Circuit Operation	Continuous operation under short-circuit conditions
Output Overvoltage Protection	Integrated
Overvoltage Protection Level	33 V / 1000 W peak TVS
LED Indication	Green: Normal operation

OPERATING CONDITIONS	
Working Temperature	-20°C to +50°C
Working Humidity	20–70%
Storage Temperature	-20°C to +70°C
MECHANICAL & GENERAL CHARACTERISTICS	
Power Conversion Method	Switch-Mode Power Supply (SMPS)
Switching Frequency	67 kHz
Mounting	DIN rail



REPRESENTATIVE IMAGE

PSU 70W

70 W Power Supply Unit

The VTEKE 70 W PSU Series consists of switch-mode power supply units designed to convert AC input voltage into regulated DC power for industrial electrical equipment. Featuring a wide input voltage range, electronic short-circuit protection and overvoltage protection, the series provides a practical solution for industrial control and automation applications.

KEY FEATURES

- Switch-mode power supply (SMPS) technology
- Wide AC input voltage range
- Regulated DC output
- Electronic short-circuit protection
- Output overvoltage protection
- Adjustable output voltage
- LED operating status indication
- DIN rail mounting
- Compact design for industrial control panels

SPECIFICATIONS

INPUT CHARACTERISTICS	
AC Input Voltage	85–265 V AC
DC Input Voltage	120–400 V DC
AC Input Frequency	50–60 Hz
Efficiency	>80%
OUTPUT CHARACTERISTICS	
DC Output Voltage	5 V / 12 V / 24 V DC
Rated Output Current	5 A / 5 A / 3 A
Output Voltage Ripple	±1%
Output Voltage Adjustment	±10%
Voltage Regulation	±1%
Load Regulation	±1%
Start-up Time	100 ms
PROTECTION CHARACTERISTICS	
Input Protection	3 A fuse
Output Short-Circuit Protection	Electronic protection
Short-Circuit Operation	Continuous operation under short-circuit conditions
Output Overvoltage Protection	Integrated
Overvoltage Protection Level	33 V / 1000 W peak TVS
LED Indication	Green: Normal operation

OPERATING CONDITIONS	
Working Temperature	20°C to +50°C (as printed; verify lower limit)
Working Humidity	20–70%
Storage Temperature	-20°C to +70°C
MECHANICAL & GENERAL CHARACTERISTICS	
Power Conversion Method	Switch-Mode Power Supply (SMPS)
Switching Frequency	67 kHz
Mounting	DIN rail

Current Transducers



REPRESENTATIVE IMAGE

CT

CT Series — Single-Phase Current Transducer

The VTEKE CT Series consists of single-phase True RMS current transducers designed to convert the AC current signal from a current transformer into a proportional DC analog output. The series provides current measurement for industrial monitoring and control applications, with multiple analog output configurations and AC or DC auxiliary supply options.

KEY FEATURES

- True RMS current measurement
- Conversion of AC current into proportional DC analog signals
- Current input options of 0–1 A AC and 0–5 A AC
- Multiple analog current and voltage output options
- AC and DC auxiliary power supply versions
- Galvanic isolation on AC-powered models
- LED operating status indication
- DIN rail mounting

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Auxiliary Supply — DC Model	24 V DC (9–34 V DC)
Auxiliary Supply — AC Model	220 V AC (85–280 V AC)
Galvanic Isolation — DC Model	Not isolated
Galvanic Isolation — AC Model	1.5 kV isolation, 3.0 kV withstand
Max. Power Consumption — DC Model	1 W (35 mA) at 24 V DC
Max. Power Consumption — AC Model	2 W (20 mA) at 115 V AC / 3 W (15 mA) at 230 V AC
MEASUREMENT CHARACTERISTICS	
Measurement Method	True RMS
Input Current Range	0–1 A AC / 0–5 A AC
Continuous Overload Current	10 A AC
Input Signal Frequency	40–100 Hz
Sampling Frequency	31 kHz (typical)
Conversion Accuracy	Max. 1.0% error at nominal current, 25°C

Response Time	100 ms (typical)
OUTPUT CHARACTERISTICS	
Analog Current Output	4–20 mA / 0–20 mA
Analog Voltage Output	0–5 V / 0–10 V / 1–5 V / 2–10 V
Max. Output Load — Current Output	700 Ω at 24 V DC supply
Min. Output Load — Voltage Output	10 Ω (verify)
Output Load Error	Max. 5% error (datasheet wording; verify)
OPERATING CONDITIONS	
Operating Temperature	-10°C to +60°C
MECHANICAL CHARACTERISTICS	
Mounting	DIN rail

Voltage Transducers



REPRESENTATIVE IMAGE

VT

VT Series — Single-Phase Voltage Transducer

The VTEKE VT Series consists of single-phase True RMS voltage transducers designed to convert AC voltage signals into proportional DC analog outputs. The series provides voltage measurement for industrial monitoring and control applications, with multiple analog output configurations and AC or DC auxiliary supply options.

KEY FEATURES

- True RMS voltage measurement
- Conversion of AC voltage into proportional DC analog signals
- Multiple voltage input ranges
- Current and voltage analog output options
- AC and DC auxiliary power supply versions
- Galvanic isolation on AC-powered models
- LED operating status indication
- DIN rail mounting

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Auxiliary Supply — DC Model	24 V DC (9–34 V DC)
Auxiliary Supply — AC Model	220 V AC (85–280 V AC)
Galvanic Isolation — DC Model	Not isolated
Galvanic Isolation — AC Model	1.5 kV isolation, 3.0 kV withstand
Max. Power Consumption — DC Model	1 W (35 mA) at 24 V DC
Max. Power Consumption — AC Model	2 W (20 mA) at 115 V AC / 3 W (15 mA) at 230 V AC
MEASUREMENT CHARACTERISTICS	
Measurement Method	True RMS
Input Voltage Range	0–24 V AC / 0–500 V AC / Customized
Continuous Overload Current	10 A AC (verify)

Input Signal Frequency	40–100 Hz
Sampling Frequency	31 kHz (typical)
Conversion Accuracy	Max. 1.0% error at nominal input, 25°C
Response Time	100 ms (typical)
OUTPUT CHARACTERISTICS	
Analog Current Output	4–20 mA / 0–20 mA
Analog Voltage Output	0–5 V / 0–10 V / 1–5 V / 2–10 V
Max. Output Load — Current Output	700 Ω at 24 V DC supply
Min. Output Load — Voltage Output	10 Ω (verify)
Output Load Error	Max. 5% error (datasheet wording; verify)
OPERATING CONDITIONS	
Operating Temperature	-10°C to +60°C
MECHANICAL CHARACTERISTICS	
Mounting	DIN rail
Dimensions	Refer to dimensional drawing