

DV - 48 - 01

DIGITAL VOLTMETER

TRUE RMS



General Informations

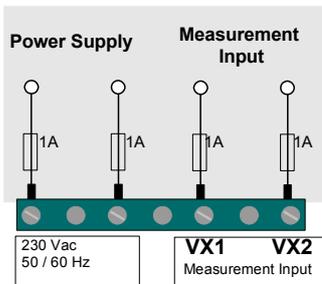
The device measures the RMS value of the AC voltage. Voltage can be measured within the range of 10-500 V.

Installation Instructions:

- Read the user instructions and cautions before installation.
- Be sure that the panel you are installing in is not energized.
- The device is designed to be installed to the front panel tap, use the small fixing apparatus to stabilize the device to the front panel tap.
- Do not under any case open the front panel of the device.
- Open the Terminals at the back side of the device after you are sure that no energy is connected to the panel. Connect the device as shown in the connection scheme.
- Be sure that the terminals are connected tight to the device.
- Use a switch between the energy network and the device's supply and measurement inputs in order to switch off the device if required. Use 1A FF fuse between switches and all inputs.

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Connection Scheme :



Technical Data

Rated Voltage (Un)	: 230 VAC
Operating Range	: (0.8 – 1.1)xUn
Frequency	: 50 / 60 Hz
Supply Power Consumption	: < 4 VA
Measurement input	: 10 – 500 Vac
Measurement Power Consumption:	<1VA
Measurement Sensitivity	: 1% ± digit
Display	: 3 Digits LED display
Device Protection Class	: IP20
Connector Protection Class	: IP00
Temperature	: -5°C.....+50°C
Humidity	: 15% 95% (without condensation)
Connection Type	: To front panel tap
Dimensions	: 48x96x50 mm

Warning !!!

- The message Er1 or Er2 on the screen means that the device has got a failure
- Clean the device using dry dustcloth after de-energizing the device
- Please read and follow the instructions mentioned in this user manual.

DV - 48 - 03

DIGITAL TRIPHASE VOLTMETER

KAEL

TRUE RMS



General Informations

In triphase systems, the device measures the RMS value of the AC voltage. Using the button on the device phase – neutral and phase – phase voltage scan be seen. Voltage can be measured within the range of 10-500 V.

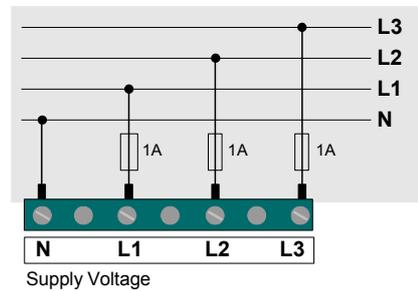
NOTE : L1_N is the device's supply input. For that reason the voltage applied to L1_N should be the rated voltage in the system.

Installation Instructions:

- Read the user instructions and cautions before installation.
- Be sure that the panel you are installing in is not energized.
- The device is designed to be installed to the front panel tap, use the small fixing apparatus to stabilize the device to the front panel tap.
- Do not under any case open the front panel of the device.
- Open the Terminals at the back side of the device after you are sure that no energy is connected to the panel. Connect the device as shown in the connection scheme.
- Be sure that the terminals are connected tight to the device.
- Use a switch between the energy network and the device's supply and measurement inputs in order to switch off the device if required. Use 1A FF fuse between switches and all inputs.

DV-48-03

Connection Scheme :



Technical Data

Rated Voltage (Un)	: 230 VAC (L1-N)
Operating Range	: (0.8 – 1.1)xUn
Frequency	: 50 / 60 Hz
Supply Power Consumption	: < 4 VA
Measurement input	: 10 – 500 Vac
Measurement Power Consumption	: <1VA (for each phase)
Measurement Sensitivity	: 1% ± digit
Display	: 3 Digits LED display
Device Protection Class	: IP20
Connector Protection Class	: IP00
Temperature	: -5°C.....+50°C
Humidity	: 15% 95% (without condensation)
Connection Type	: To front panel tap
Dimensions	: 48x96x50 mm

Warning !!!

- The message Er1 or Er2 on the screen means that the device has got a failure
- Clean the device using dry dustcloth after de-energizing the device
- Please read and follow the instructions mentioned in this user manual.

Display Functions

