



Digital measuring device VA-01-TK is designed for continuous voltage measuring in single- or three-phases alternating current circuits.

According to modification device can transfer measuring results via RS-485 interface (Modbus RTU protocol).

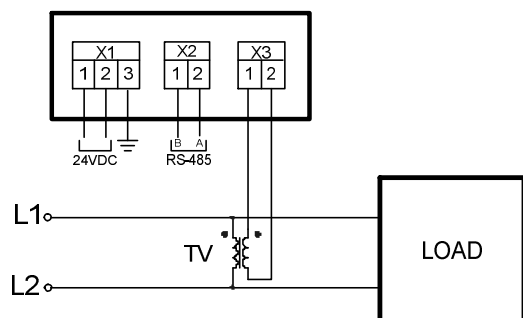
- Single-channel single-range device.
- Transformation coefficient setting for measuring voltage transformer.
- Measured value displaying according to set coefficients in V or kV.
- Voltage signal out of range diagnostic.
- Different modifications by overall dimensions, indicator digits number and availability of RS-485 interface (Modbus RTU protocol).
- LED green indicator with 14 or 20 mm symbols height.

SPECIFICATION

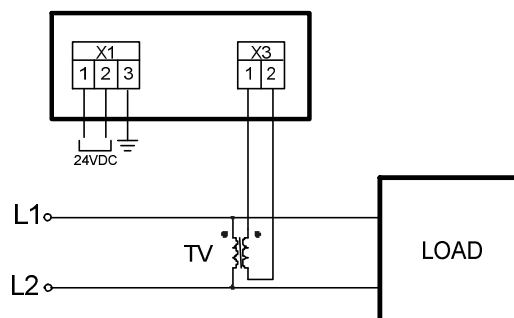
- Nominal voltage, V 100
- Voltage range measuring, V 1..120
- Measuring signal frequency, Hz 45..65
- Reduced error, % ± 0.5
- Devices withstand overload of 500% from nominal input signal during 1 min.
- Input resistance, kOhm, not less than 390
- Less digit value 0.001; 0.01; 0.1; 1
- Baudrate (for modification with RS-485), kbps 9.6; 19.2; 38.4; 57.6; 115.2

Supplies with remote console for device setting up. Settings are saved in non-volatile memory.

WIRING DIAGRAMS



Wiring diagram with RS-485 interface



Wiring diagram without RS-485

SPECIFICATION

- Operating temperature range $+5^{\circ}\text{C} \dots +50^{\circ}\text{C}$
- Dust and moisture protection IP41
- All circuits are galvanic isolated from each other
- Power supply 24VDC
- Power consumption, up to 5
- Overall dimensions (W×H×D):
 - for modification **VA-01-TK-K1-Y** 95×47×120



– for modification **VA-01-TK-K2-Y**, **VA-01-TK-K3-Y** 72×72×120

ORDERING DESIGNATION

Digital measuring device **VA-01-TK-XX-Y**, where

XX – housing type:

- «K1» – device with 4-digits indicator with 20 mm symbol height and dimensions 95×47×120 mm;
- «K2» – device with 3-digits indicator with 20 mm symbol height and dimensions 72×72×120 mm;
- «K3» – device with 4-digits indicator with 14 mm symbol height and dimensions 72×72×120 mm.

Y – interface RS-485 availability:

- «1» – modification with RS-485 interface, Modbus RTU protocol;
- no marking - modification without RS-485 interface.

Example. Digital measuring device **VA-01-TK-K-1** – digital measuring device with 4-digits indicator with 20 mm symbol height and RS-485 interface.

