



VNE 20

Monofunction digital panel meter for
DC voltage and process

VNE 20 is a 20,000-point monofunction digital panel meter 96 x 24 mm for DC and process voltage measurements.

Description

VNE 20 is a 20,000 monofunction digital panel meter 96 x 24 mm for DC voltage and process. It offers high accuracy and resolution. It is possible to change the configuration of measurement type, range, limits and scaling. The configuration of these parameters is protected against any inopportune modifications.

- Panel meter size: 96 x 24 mm
- IP40 protected
- LED display, 14 mm high, in red, green or yellow
- Measurement, display and scaling of:
 - DC voltage up to 650 V
 - Process signals with scaling
- Analogue output 0.1 mV/digit
- 9 different power supplies available

Specifications

Electrical measurement indicator

Type	Range	Resolution	Accuracy (1 year) (23°C ±1°C)	Input impedance	Comment
DC voltage	200 mV 2 V 20 V 200 V 650 V	10 µV 100 µV 1 mV 10 mV 100 mV	0.05% + 20 µV 0.05% + 0.2 mV 0.05% + 2 mV 0.05% + 20 mV 0.05% + 0.2 V	> 100 MΩ > 100 MΩ 1.1 MΩ 1.1 MΩ 1.1 MΩ	
Process signals with scaling	0 - 5 V 0 - 10 V 4 - 20 mA 0 - 20 mA	Display ±20,000 points For scale begin and end	0.05% of scale + 1		The input and the scale are defined at the order and can't be modified by the user.

Temperature coefficient: $\leq (0.01\% + 0.2)/^{\circ}\text{C}$

Common rejection mode: ≥ 140 dB at 50 Hz

Serial rejection mode: ≥ 80 dB at 50 Hz

Further features

Measurement hold and decimal dot commutation	External command
Zeroing and polarity	Automatic
Sampling rate	2.5 samples / s

General specifications

Size	96 x 24 x 103 mm
Weight	300 g
Supply	230 V at $\pm 10\%$ (50/60 Hz) Other power supplies available in option

Environmental specifications

Reference range	23°C $\pm 1^{\circ}\text{C}$ (45 to 75 % w/o condensing)
Operating reference range	0 to 50°C (RH: 20 to 75 % w/o condensing)
Limit operating range	-10°C to +50°C (RH: 10 to 80 % w/o condensing)
Indice de protection	IP40 in ABS case IP65 in watertight metallic case



Models and accessories

Instrument:

Ordering reference code: VNE20-DC voltage-Display-Isolated power supply

DC voltage:

200 mV	V12
2 V	V13
20 V	V14
200 V	V15
650 V	V16

Display:

Red	R
Green	V

Isolated power supply:

48 V~	9
230 V~	8
115 V~	7
24 V~	6
36 to 72 V-	5
18 to 36 V-	4
9 to 18 V-	3
5 V-	2