# VNE2

Monofunction panel meter for
electrical measurements

VNE2 is a 20,000-point monofunction digital panel meter 72 x 24 mm for electrical measurements in voltage, current and process signals.

# Description

VNE2 is a 20,000 point monofunction digital panel meter 72 x 24 mm for electrical measurements in voltage, current and process signals. It is particularly adapted to measurements in industrial areas: robust housing, connection through a removable screwing connector, high immunity to external noises, several types of power supply. AC current measurement can be performed using an external transformer insuring a good insulation to the instrument in regards to line potentials.

- Panel meter size: 72 mm x 24 mm
- IP40 protected
- Measurement and display of:
  - DC and AC voltage up to 650 V
  - DC current up to 1,000 A with an external shunt
  - AC current up to 200 A
  - Process
- 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<br>2 V<br>20 V<br>200 V<br>650 V | 100 µV<br>1 mV<br>10 mV<br>100 mV<br>1 V | 0.1% + 100 µV<br>0.1% + 1 mV<br>0.1% + 10 mV<br>0.1% + 0.1 V<br>0.1% + 1 V | > 100 MΩ<br>1.1 MΩ<br>1 MΩ<br>1 MΩ<br>10 MΩ | Optional decimal point command |
| DC current | On request<br>2 A | 100 mV / 1000 pts<br>1 mA | 0.2% + 1 mA | Shunt 100 mV<br>0.1 Ω | External Shunt 10 - 100 - 1 000 A<br>or internal 2 - 20 - 200 mA |
| AC voltage | 650 V | 1 V | 2 V | 900 kΩ | Band-width 40 Hz to 400 Hz |
| AC current | | | | | |

# Models and accessories

## Instrument:

Ordering reference code: DC voltage-AC voltage-DC current-AC current-Process with scaling-Display-Metal enclosure-Light setting

### DC voltage:

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

### AC voltage:

| | |
|---|---|
| 650 V | V76 |

### DC current:

| | |
|---|---|
| Internal Shunt 2 A | I26 |

### AC current:

| | |
|---|---|
| 2 A | I33 |
| 20 A | I34 |
| 200 A | I35 |

### Process with scaling (4-20 mA / 0-10 V / 0-5 V):

| | |
|---|---|
| Custom request | D50 |
| 4-20 mA/0-100% | D51 |

### 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 |

## Metal enclosure:

| Without | 0 |
| With | 1 |

## Light setting:

| Without | 0 |
| With | 1 |

## Accessories:

| AMD001 | Adapter for 75 x 25 mm |
| PEM40254-001B | Metal Enclosure VNE2/TNE2, Waterproof front side |