# Alternating voltage, alternating current 

- Option: analog output
- Allows to be placed side by side in grid and mosaics systems
- Mounting into panels with thickness up to 50 mm


ORDER NUMBER OF TYPE
Standard
DV 3.004.310B
True effective value RMS DV 3.104.310B


DANGER!!!
Power supply 24 VDC - galvanic insulated (14=plus, $13=$ minus)

Standard DV 3.004.370B
True effective value RMS DV 3.104.370B

## Caution!

With high input voltages $100 \mathrm{VAC} / 300 \mathrm{VAC}$, always connect terminal 7 ( 0 V ) to N -conductor. Change jumper only in voltage-free state and use an insulated screwdriver when adjusting the potentiometer.

## Options

- green LED
- Protection IP54
- Protection IP65 (see reference)
- Plug in terminal with protection IP40
- Plug in terminal with protection IP40
- Plug in terminal with protection IP40 (see reference)

Reference: Decimal point, Blank digit, measuring time have to be pretended!

- Analog output 0-10 VDC/10 mA
- Analog output 0-20 mA/load $500 \Omega$
- Analog output 4-20 mA/load $500 \Omega$
- Analog output 0-10 VDC/10 mA
- Analog output 0-20 mA/load $500 \Omega$
(power supply 24 VDC galvanic insulated)
- Analog output 4-20 mA/load $500 \Omega$ (power supply 24 VDC galvanic insulated)
- Analog output with customer specified offset

Measuring inputs are not galvanic insulated from the analog output!

- Power supply $24 / 48$ VAC
- Setpoints see type PVE4.xx4.3xx


## Technical data, handling



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## Setting

1. Connect the instrument according to the wiring diagram and turn power on.
2. Adjustment of indication value: Remove the front pane supported by screw driver leading between front panel and housing frame.
3. Set the maximum input voltage/current and adjust the desired indication value by means of the potentiometer.
4. In order to achieve the maximum value indication of 1999, the following minimum input voltages are required at the various measuring inputs:

| Measuring input | 2 V | 20 V | 100 V | 300 V | 1 A | 5 A |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathrm{U} / \mathrm{I} \min$ | 1 V | 10 V | 50 V | 200 V | 0.4 A | 2.5 A |
| $\mathrm{U} / \mathrm{I} \max$ | 3 V | 30 V | 150 V | 300 V | 1 A | 5 A |

5. With input voltages smaller than $\mathrm{U} / \mathrm{I}$ min, maximum value indication is not available!

[^0]:    CE-sign
    For unlimited use of the instrument within the directives for electromagnetic compatibility 89/336/EC analogue input wires have to be used with shielded cable and cable's shield connected to earth ground at one end only.

