

96x24

Resistance, potentiometer measurement optional analogue output

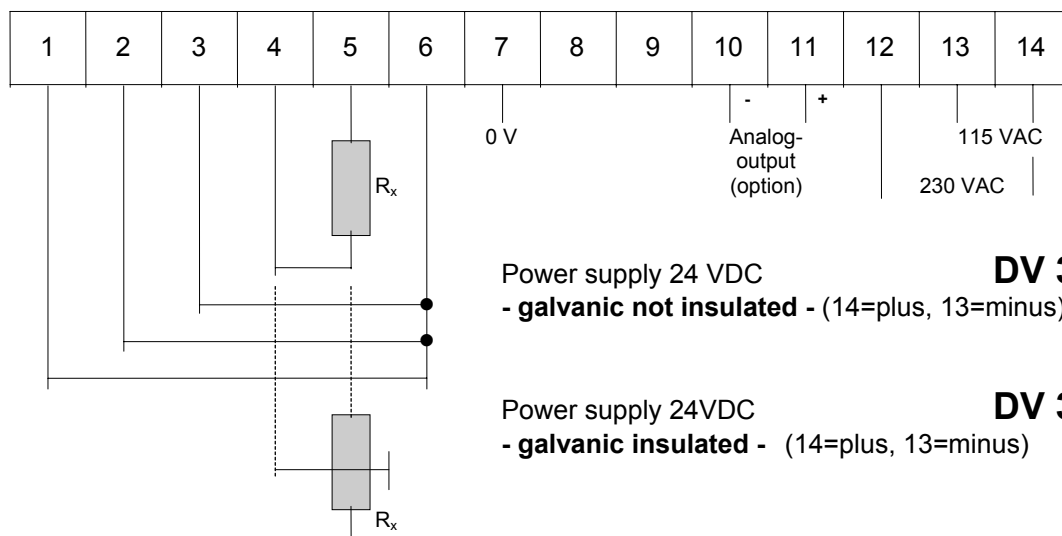
- Allows to be placed side by side in grid and mosaics systems
- Mounting into panels with thickness up to 50 mm

1888



ORDER NUMBER OF TYPE

DV 3.006.310B



Power supply 24 VDC

DV 3.006.330B

- galvanic not insulated - (14=plus, 13=minus)

Power supply 24VDC

DV 3.006.370B

- galvanic insulated - (14=plus, 13=minus)

Measuring range	Bridge from terminal to terminal
100 KΩ up to 1 MΩ	from 1 to 6
10 KΩ up to 100 KΩ	from 2 to 6
1 KΩ up to 10 KΩ	from 3 to 6

Options

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

Reference: decimal point, plus sign, blank digit, measuring rate have to be pretended!

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

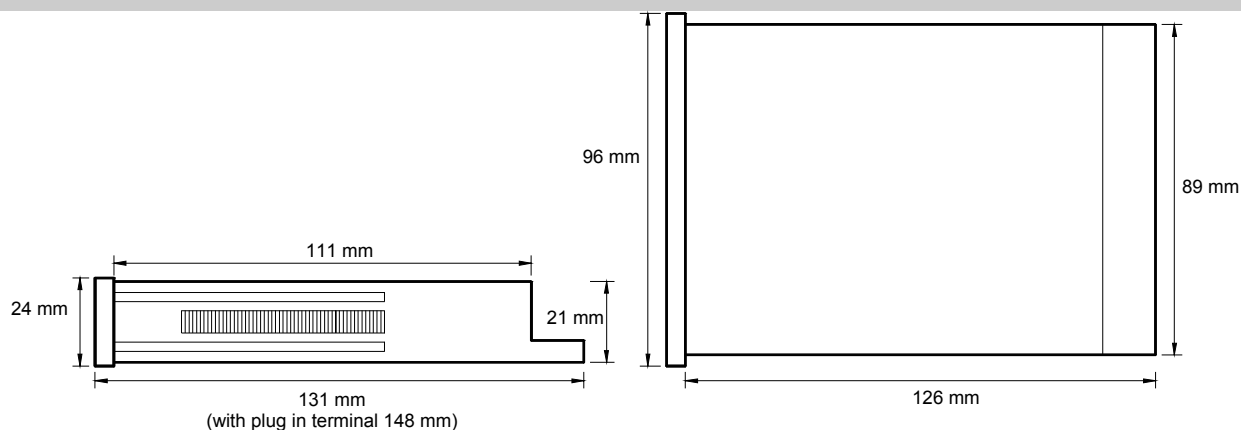
The measuring inputs are not galvanic insulated from the analog output!

- Power supply 24/48 VAC
- Setpoints see type PVE4.0x6.3xx

Technical data, handling

Dimensions	Housing	96 x 24 x 131 mm, including screw terminal
	Assembly cut out	92.0 ^{+0.8} x 22.0 ^{+0.6} mm
	Fastening	special quick plastic clamp proper to fix in wall thickness up to 50 mm
	Housing material	PC/ABS-plastic blend, colour black, UL94V-0
	Protective system	at the front IP 40 connection IP00
	Weight	approx. 0.290 kg
	Connection	at the rear side via terminals up to 2.5 mm ²
Input	Measuring range	1 K Ω - 10 K Ω 10 K Ω - 100 K Ω 100 K Ω - 1 M Ω offset adjustment supported by offset potentiometer all ranges are selectable via connection terminal
	Analogue output	0-10 VDC/10 mA (0.1 % of measuring value, +/-0.05 % of full scale) 0-20 mA, 4-20 mA - load 500 Ω (0.1 % of measuring value, +/-0.05 % of full scale)
Accuracy	Resolution	+/- 1999 digit
	Nonlinearity	+/-0.1 % of measuring value, +/- 1 digit
	Temp. drift	100 ppm/K
	Measuring principle	Dual-Slope-Integration
Power Unit	Supply voltage	230/115 VAC +/- 10 % (50-60 Hz), 24 VDC (18-30 V), 24 VDC +/-10 % galvanic insulated
	Power consumption	approx. 5 VA
Indication	Display	LED with 7 segments, 14 mm high, red 3½-digit = indication 1999
	Measuring time	selectable 0.25 and 1 second
	Overflow	by showing "1" on the fourth digit
	Decimal point	adjustable by bridging on front side
	Blanking	blanking out of last digit (selectable by bridge)
	Plus-sign	selectable by bridging on front side
Ambient conditions	Working temperature	0 up to + 60 °C
	Storing temperature	-20 up to + 80 °C

Housing:



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.

Setting

1. Connect the instrument according to the wiring diagram and turn power on.
2. Setting of indication value: Remove the front pane using the eject gap.
3. Set the resistance value and adjust the desired indication value by means of the potentiometer.
4. In order to achieve maximum value indication of 1999, the following minimum resistance values are required at the various measuring inputs:

Measuring input	1 M Ω	100 K Ω	10 K Ω
Resistance (min)	500 K Ω	50 K Ω	5 K Ω