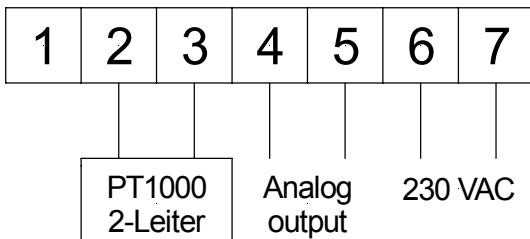
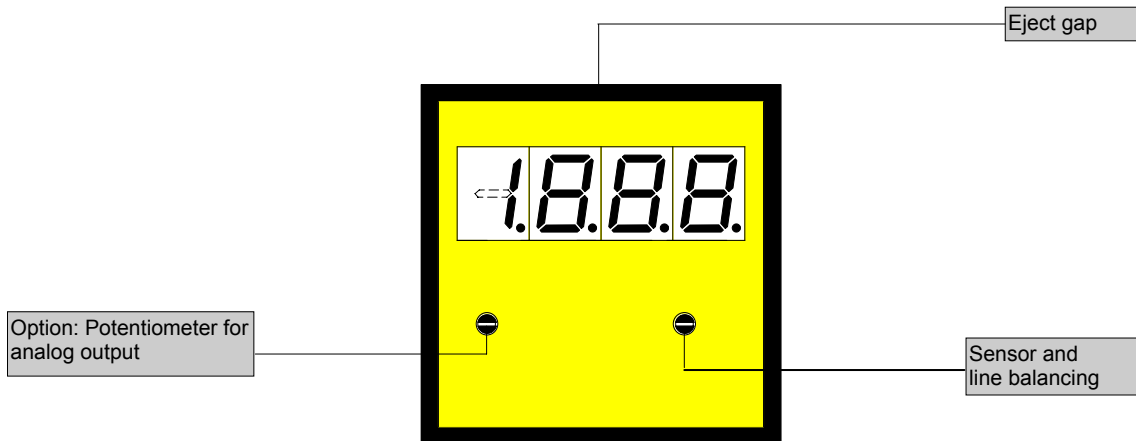


48x48

Temperature metering PT1000

- Optional analogue output
- Mounting into panels with thickness up to 50 mm.

1888



ORDER NUMBER OF TYPE
 2 wire **DT 3.602.850B (200°C)**
 2 wire **DT 3.606.850B (600°C)**

Power supply 24 VDC
 - **galv. insulated** - (7=Plus, 6=minus)

2 wire **DT 3.602.870B (200°C)**
 2 wire **DT 3.606.870B (600°C)**

Options

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

Reference: Plus sign have to be pretended!

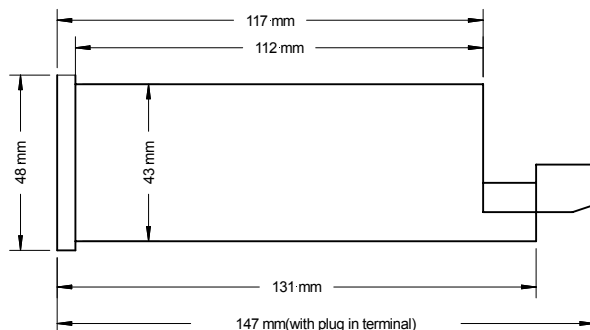
- Analog output 0-10 VDC/10 mA
- Analog output 0-20 mA/load 500 Ω
- Analog output 4-20 mA/load 500 Ω
- Analog output 0-10 VDC/10 mA (power supply 24 VDC galvanically insulated)
- Analog output 0-20 mA/load 500 Ω (power supply 24 VDC galvanically insulated)
- Analog output 4-20 mA/load 500 Ω (power supply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

(The measuring inputs are not galvanic insulated from the analogue output!)

- Dimension strip selectable (8 characters max.)
- Other supply voltages on demand

Technical data, handling

Dimensions	Housing Assembly cut out Fastening Housing material Protective system Weight Connection	48 x 48 x 131 mm, including screw terminal 45.0 ^{+0.6} x 45.0 ^{+0.6} mm special quick plastic clamp proper to fix in wall thickness up to 50 mm PC/ABS-Blend, colour black, UL94V-0 at the front IP40, connection IP40 approx. 0.180 kg at the rear side via screw terminal up to 2.5 mm ²
Input	PT1000	2-wire
Output	Analogue output Offset Final value 200°C Final value 600°C	0-10 VDC/10 mA (0.1% of measuring value, +/-0.05 % of final value) 0-20 mA, 4-20 mA - load 500 Ohm (0.1 % of measuring value, +/-0.05 % of full scale) not changeable, offset analogue output corresponds to 0 digit (valid for both ranges) 10 V or 20 mA adjustable for range from 35.0°C up to 199.9°C 10 V or 20 mA adjustable for range from 190°C up to 600°C (The measuring inputs are not galvanic insulated from the analogue output!)
Type		
DT3.6x2.8xxB	Measuring range Resolution	-50.0 up to 199.9 °C 0.1 °C
DT3.6x6.8xxB	Measuring range Resolution Sensor current	-100 up to +600 °C 1 °C approx. 0.1 mA
Accuracy		
Typ DT3.6xx.8xxB	Measuring fault Temp. drift Measuring principle	$R_L \leq 10 \Omega = +/-1K$ $R_L > 10 \Omega \leq 20 \Omega = +/-2K$ 100 ppm/K Dual-Slope-Integration
Power unit	supply voltage Power consumption	230 VAC (+/- 10 %) 50-60 Hz, 115 VAC (+/- 10 %) 50-60 Hz, 24 VDC (+/-10 %) galvanic insulated approx. 2 VA
Indication	Display Indication time Line break	LED with 7 segments, 10 mm high, red 3½-digit = indication 1999 1 second by showing „1“ on the fourth digit
Ambient conditions	Working temperature storing temperature	0 up to + 60 °C -20 up to + 80 °C
Housing:		



CE-sign

For unlimited use of the instrument within the directives for electromagnetic compatibility 89/336/EC measuring wires have to be used with shielded cable and cable's shield connected to earth ground at one end only.

Important reference!

During attitude as well as in the case of connection in the reverse field of the device, the corresponding precautions are to be taken concerning ESD in order to preclude a harm of the device.

Setting

The unit is adjusted ex works. Later adjustment are necessary in applications with long distance wiring only.

1. Connect the instrument according to the wiring diagram and turn power on.
2. Setting of sensor and line balancing: Remove the front pane using the eject gap.
3. Connect PT1000 simulator and set temperature to 0°C.
4. If necessary deviations on the display have to be corrected with potentiometer for line balancing.