Temperature metering PT1000 *Option: analogue output*
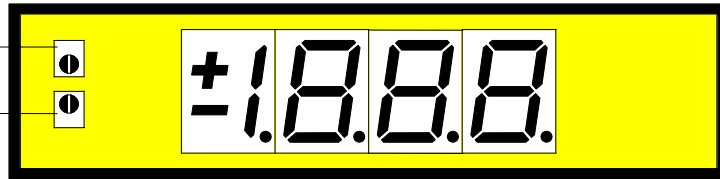## - Allows to be placed side by side in grid and mosaics systems
- Mounting into panels with thickness up to 50 mm

1888
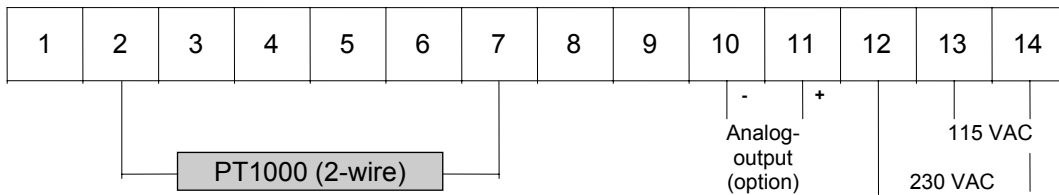
| Option: potentiometer for analog output |
| Sensor and line balancing |

±1.8.8.8.

ORDER NUMBER OF TYPE
2 wire **DT 3.602.310B (200°C)**
2 wire **DT 3.606.310B (600°C)**

1	2	3	4	5	6	7	8	9	10	11	12	13	14
									-	+		115 VAC	

PT1000 (2-wire)

Analog-output (option)

230 VAC

Power supply 24 VDC - **galvanic insulated -**
(14=plus, 13=minus)

2 wire **DT 3.602.370B (200°C)**
2 wire **DT 3.606.370B (600°C)**

Options
- green LED
- Protection IP54
- Protection IP65
- 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*
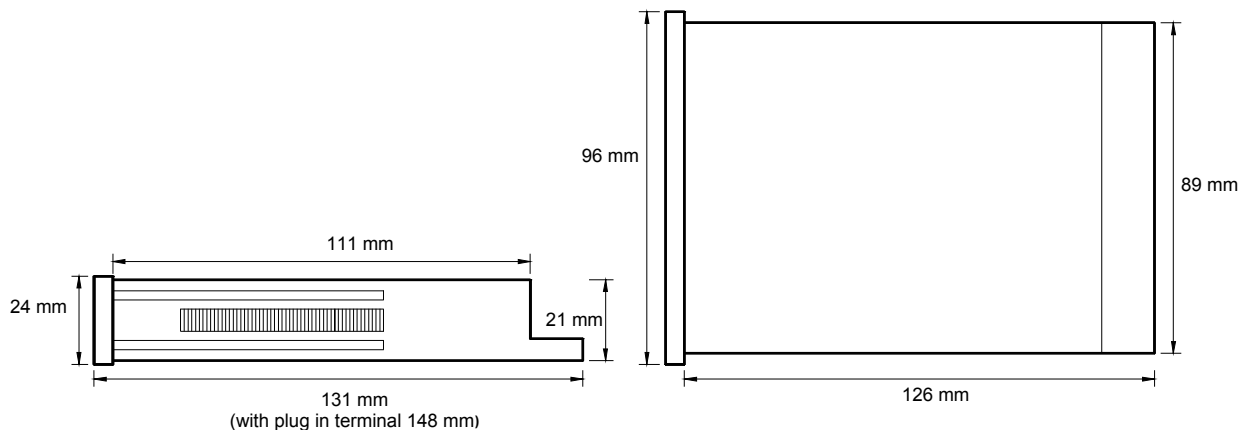- Analog output with customer specified offset

The measuring inputs are not galvanic insulated from the analog output!
- Power supply 24/48 VAC
- Setpoints see type PTE 4.xxx.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 IP40
		connection IP00
	Weight	approx. 0.290 kg
	Connection	at the rear side via terminals up to 2.5 mm²
Input	PT1000	2-wire
Output	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 Ohm (0.1 % of measuring value, +/-0.05 % of full scale)
Type		
DT3.6x2.3xxB	Measuring range	-50.0 up to 199.9 °C
	Resolution	0.1 °C
DT3.6x6.3xxB	Measuring range	-100 up to +600 °C
	Resolution	1 °C
	Sensor current	approx. 0.1 mA
Accuracy		
Typ DT3.6xx.3xxB	Measuring fault	$R_L \le 10\,\Omega$ = +/-1K
		$R_L > 10\,\Omega \le 20\,\Omega$ = +/-2K
	Temp. drift	100 ppm/K
	Measuring principle	Dual-Slope-Integration
Power unit	Supply voltage	230/115 VAC +/- 10 % (50-60 Hz), 24 VDC galvanic insulated
	Power consumption	approx. 2 VA
Indication	Display	LED with 7 segments, 14 mm high, red
		3½-digit = indication 1999
	Indication time	1 second
	Line break	by showing „**1**" on the fourth digit
Ambient	Working temperature	0 up to + 60 °C
conditions	Storing temperature	-20 up to + 80 °C

Housing:

96 mm

89 mm

111 mm

24 mm

21 mm

131 mm
(with plug in terminal 148 mm)

126 mm

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.

Setting

The unit is adjusted ex works. Later adjustments 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.