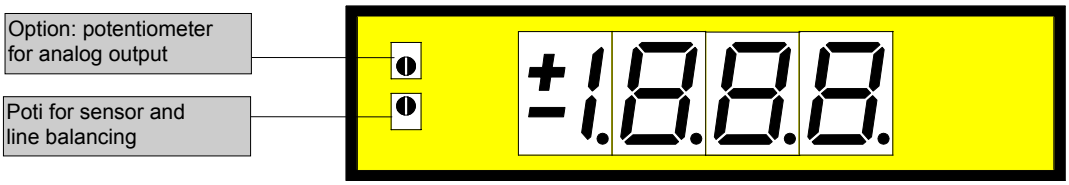
Temperature metering thermocouple optional analogue output

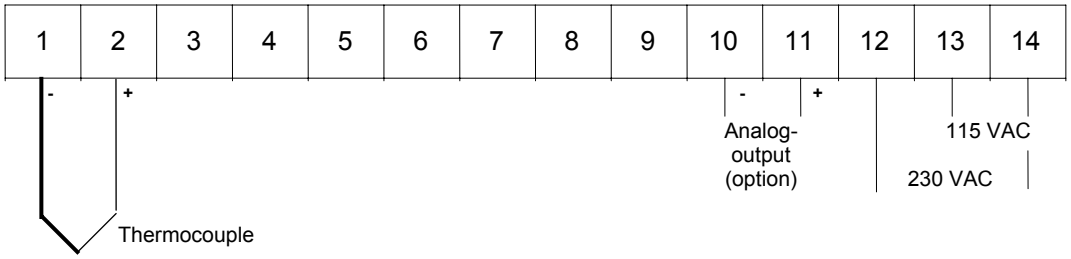
- Allows to be placed side by side in grid and mosaics systems
- Mounting into panels with thickness up to 50 mm

96x24

1888



ORDER NUMBER OF TYPE **DT 3.40x.310B**



Power supply 24 VDC **DT 3.40x.370B**
- galvanic insulated - (14=plus, 13=minus)

DT 3.4x**L**.3xx	FeCuNi (DIN)	-50 up to + 500°C
DT 3.4x**J**.3xx	FeCuNI (americ.)	-50 up to + 500°C
DT 3.4x**K**.3xx	NiCrNi	-100 up to + 800°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 4-20mA/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 galanic. insulated)*
- Analog output with customer specified offset

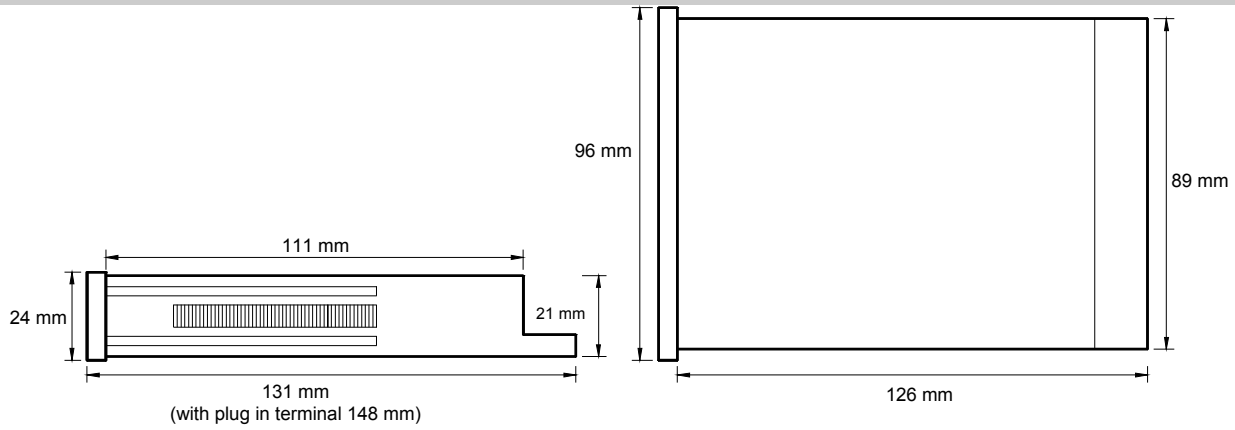
The measuring inputs are not galvanic insulated from the analog output!

- Power supply 24/48 VAC
- Setpoints see type PTE 4.4xx.3xx

Technical data, handling

Dimensions	Housing	96 x 24 x131 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-plastics blend, colour black, UL94V-0
	Protective system	at the front IP40 connection IP00
	Weight	approx. 0.290 kg
	Connection	at the rear side via screw terminals up to 2.5 mm^2
Input	**L** FeCuNi (DIN)	-50 up to + 500°C
	J FeCuNi (americ.)	-50 up to + 500°C
	K NiCrNi	-100 up to + 800°C
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)
	Final value	for 10 V- or 20 mA- output adjustable in a range of 200° up final value
Accuracy	Resolution	1 °C
	Measuring fault	+/-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 +/-10 % galvanic insulated
	Power consumption	approx. 5 VA
Indication	Display	LED with 7 segments, 14 mm high, red 3½-digit = indication1999
	Measuring time	1 second
	Wire break	by showing „**1**“ on the fourth digit
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 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. Adjusting of line balancing: Remove the front pane by using the eject gap.
3. Connect thermocouple simulator and adjust 0°C.
4. If necessary deviations on the display have to be corrected with potentiometer for line balancing.