

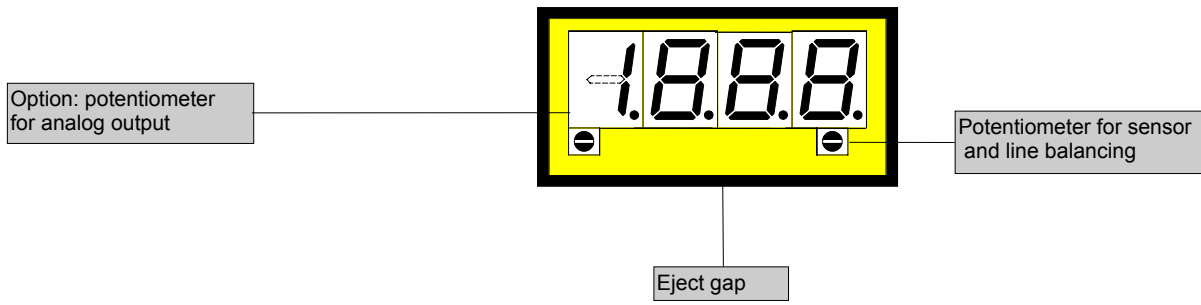
48x24

Temperature metering thermocouple optional analogue output

- Allows to be placed side by side in grid and mosaics systems

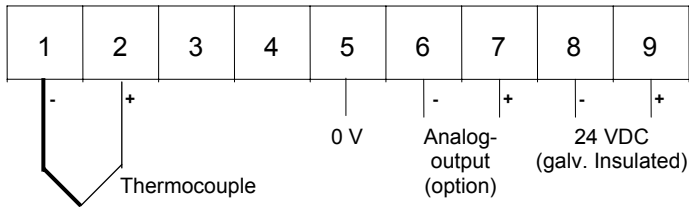
- Mounting into panels with thickness up to 50 mm

1888



ORDER NUMBER OF TYPE

DT 3.40x.776B



DT 3.4xL.7xx	FeCuNi (DIN)	-50 up to + 500°C
DT 3.4xJ.7xx	FeCuNi (amerik.)	-50 up to + 500°C
DT 3.4xK.7xx	NiCrNi	-100 up to + 800°C

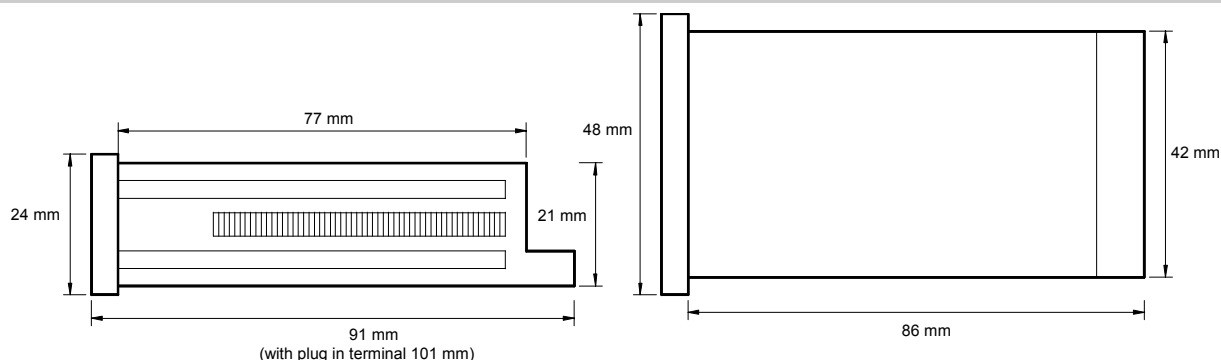
Options

- Green LED
- Protection IP54
- Protection IP65
- Analog output 0-10 VDC/10 mA
- Analog output 0-20 mA/load 500 Ω
- Analog output 4-20 mA/load 500 Ω
- Analog output 0-10 VDC/10 mA (power supply 24 VDC galv. insulated)
- Analog output 0-20 mA/load 500 Ω (power supply 24 VDC galv. insulated)
- Analog output 4-20 mA/load 500 Ω (power supply 24 VDC galv. insulated)
- Analog output with customer specified offset
- Dimension strip selectable (8 characters max.)
- Set points see type PTE 4.4xx.7xx

Technical data, handling

Dimensions	Housing	48 x 24 x 90 mm, including screw terminal
	Assembly cut out	45.0 ^{+0.6} x 22.2 ^{+0.3} mm
	Fastening	special quick plastic clamp proper to fix in wall thickness up to 50 mm
	Housing material	PC/ABS-blend, colour black, UL94V-0
	Protective system	at the front IP40 connection IP00
	Weight	approx. 75 g
	Connection	at the rear side via plug in connector up to 1.5 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)
	Offset	not changeable, offset analogue output corresponds to 0 digit (valid for both ranges)
	Final value	for 10 V- or 20 mA-output adjustable in a range of 200° up final value
The measuring inputs are not galvanically insulated from the analog output!		
Accuracy	Resolution	1°C
	Measuring fault	+/-1% of measuring value, +/-1 digit
	Temp. drift	100 ppm/K
Power unit	Measuring principle	Dual-Slope-Integration
	Supply voltage	24 VDC +/-10% galvanic insulated
	Power consumption	approx. 2 VA
Indication	Display	LED with 7 segments, 10 mm high, red 3½-digit = indication 1999
	Indication time	1 second
	Line 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.