

DESCRIPTION

INDICATEUR DE TEMPÉRATURE pour:

- Pt100
- THERMOCOUPLE J, K, T et N

48 x 24 mm frontal

Fully programmable panel meter for temperature measurement in °C or °F using **Pt100 sensor** or **thermocouple J, K, T and N**. Configurable indication in °C or tenths of °C for Pt100 sensor. Controlled by three keys situated on the bottom of the frontal display.



TECHNICAL SPECIFICATIONS

INPUT:

Pt100 measurement current 1mA
 Pt100 linearization IEC 60751
 Pt100 α coefficient 0.00385
 Pt100 maximum wire resistance 40 Ω (balanced)
 Thermocouple cold junction compensation range -10°C a 60°C

ACCURACY at 23°C $\pm$ 5°C

Pt100 (1 $^{\circ}$) $\pm(0.2\%rdg+1^{\circ}C) / \pm(0.2\%rdg+2^{\circ}F)$
 $t < -50^{\circ}C / -58^{\circ}F \Rightarrow \pm(1\%rdg+1^{\circ}C) / \pm(1\%rdg+2^{\circ}F)$
 Pt100 (0.1 $^{\circ}$) $\pm(0.2\%rdg+0.4^{\circ}C) / \pm(0.2\%rdg+0.7^{\circ}F)$
 $t < -50.0^{\circ}C / -58.0^{\circ}F \Rightarrow \pm(1\%rdg+0.4^{\circ}C) / \pm(1\%rdg+0.7^{\circ}F)$
 Thermocouple J, K, T, N $\pm(0.4\%rdg+2^{\circ}C) / \pm(0.4\%rdg+4^{\circ}F)$
 $t < -50^{\circ}C / -58^{\circ}F \Rightarrow \pm(1\%rdg+2^{\circ}C) / \pm(1\%rdg+4^{\circ}F)$
 Temperature coefficient 100ppm/°C
 Warm-up time 10 minutes

POWER SUPPLY AND FUSES (DIN 41661) (not included)

PICA-T: 85-265V AC 50/60 Hz and 100-300V DC F 0.1A/ 250V
PICA-T6: 21-53V AC 50/60Hz and 10.5-70V DC ... F 0.5A/ 250V
 Power consumption 1.8W

CONVERSION

Technique Sigma-Delta
 Resolution ± 15 bits
 Conversion rate 20/s

DISPLAY

Type 4 x 10mm red digits
 Display refresh rate 4/s
 Display/input overrange indication **OuE**

ENVIRONMENTAL CONDITIONS

Operating temperature -10°C $\div$ +60°C
 Storage temperature -25°C $\div$ +85°C
 Relative humidity (non condensing) <95% $\div$ 40°C
 Maximum altitude 2000m
 Frontal protection degree IP65

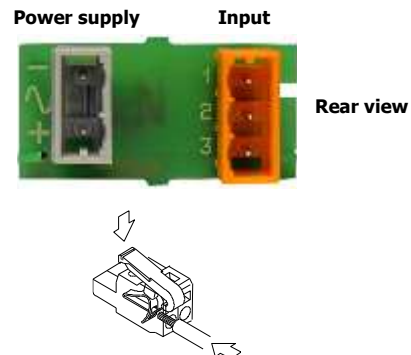
PROGRAMMING

Resol.	Pt100	TC "J"	TC "K"	TC "T"	TC "N"
1 $^{\circ}$	-200 to 800°C -328 to 1472°F	-200 to 1100°C -328 to 2012°F	-200 to 1250°C -328 to 2282°F	-200 to 400°C -328 to 752°F	-200 to 1250°C -328 to 2282°F
0.1 $^{\circ}$	-199.9 to 800.0°C -199.9 to 999.9°F	-	-	-	-



Keys detail (bottom view)

CONNECTIONS

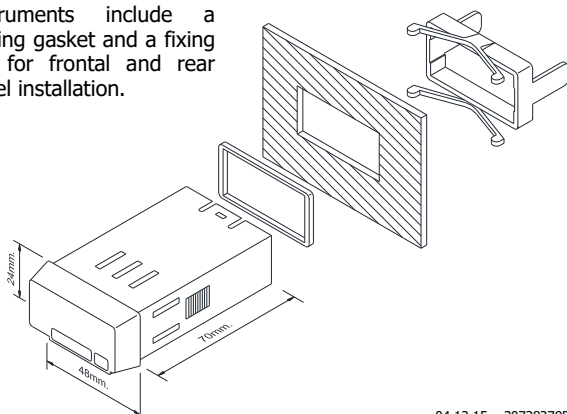


CN1	POWER SUPPLY	
PIN	AC VERSION	DC VERSION
1	AC LO	-V DC
2	AC HI	+V DC
CN2	SIGNAL INPUT	
1	-TC / Pt100	
2	+TC / Pt100	
3	Common Pt100	

DIMENSIONS AND MOUNTING

Dimensions 48 x 24 x 70 mm
 Panel cutout 45 x 22 mm
 Weight 60g
 Case material Polycarbonate s/ UL 94 V-0

Instruments include a sealing gasket and a fixing clip for frontal and rear panel installation.



ORDERING CODES

PICA-T: 85-265V AC 50/60Hz and 100-300V DC
PICA-T6: 21-53V AC 50/60Hz and 10.5-70V DC