

# PICA-T

## DESCRIPTION

INDICATOR FOR TEMPERATURE:

- Pt100
- Thermocouple J, K, T

### 48x24 mm front

Panel meter temperature measuring in °C or °F with Pt100, thermocouple J, K or T selectable by programming.  
Indication in °C or 0.1 °C for Pt 100 program selectable  
Three keys keyboard situated on the bottom of the display.

## PICA-T



## TECHNICAL SPECIFICATIONS

INPUT	Resolution 1°	Resolution 0.1°
	Pt100	-200 ... 800 °C -328 ... 1472 °F
TC "J"	-50 ... 850 °C	
	-58 ... 1562 °F	
TC "K"	-50 ... 1250 °C	
	-58 ... 2282 °F	
TC "T"	-200 ... 400 °C	
	-328 ... 752 °F	

Pt100 measuring current.....< 1.3 mA  
Linearization ( $\alpha = 0.0385$ ).....DIN 43760  
Max. Lead resistance.....40  $\Omega$  / cable balanced

ACURACY @ 23°C $\pm 5^\circ\text{C}$	
Pt100 1°	$\pm(0.2\% r + 1^\circ\text{C}) / \pm(0.2\% r + 2^\circ\text{F})$
Pt100 0.1°	$\pm(0.2\% r + 0.4^\circ) / \pm(0.2\% r + 0.7^\circ\text{F})$
TC J, K, T	$\pm(0.4\% r + 2^\circ\text{C}) / \pm(0.4\% r + 4^\circ\text{F})$

Cold junction compensation.....from -10°C to 60 °C  
Temperature coefficient.....100 ppm/°C  
Warm up time.....10 minutes

### POWER SUPPLY and FUSES (DIN 41661) (no supplied)

PICA-T 85 - 265 VAC 50/60 Hz and 100-300VDC..... F 0.1A/ 250V  
PICA-T6 21-53 VAC 50/60Hz and 10,5-70VDC..... F 0.5A/ 250V  
Power.....1,8W

### CONVERSION

Technical.....Sigma-Delta  
Resolution..... $\pm 15$  bits  
Rate.....25/s

### DISPLAY

Range.....-1999 ÷ 9999  
Type.....4, 10 mm red digits  
Reading rate.....4/s  
Overflow indication.....**OL**

### ENVIRONMENTAL

Operating temperature.....-10°C ÷ +60°C  
Storage temperature.....-25°C ÷ +85°C  
Relative humidity (non condensed).....<95% ÷ 40°C  
Maximum altitude.....2000m.  
Panel sealing.....IP65

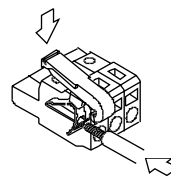
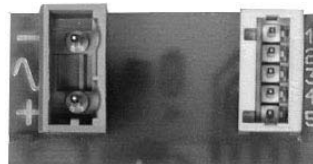
## PROGRAMMING

- Selection sensor type
- Selection °C or °F
- Selection 0,1° or 1° (Pt100)



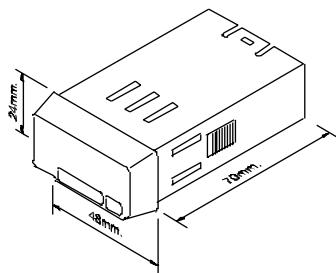
KEYBOARD DETAIL (BOTTOM VIEW)

## CONNECTIONS



## DIMENSIONS AND MOUNTING

Dimensions.....48 x 24 x 70 mm.  
Panel cutout.....45 x 22 mm.  
Weight.....50 g.  
Case material.....Polycarbonat s/ UL 94 V-0



### CN1 POWER SUPPLY

PIN	VERSION AC	VERSION DC
1	AC HI	+V DC
2	AC LO	-V DC

### CN2 INPUT SIGNAL

	Pt100	Thermocouple
	1	Common Pt100
2	Pt100	+ TC
3	Pt100	N.C.
4	N.C.	N.C.
5	N.C.	N.C.