

The PICA series - Miniature panel meters

Save space and money with these remarkable miniature panel meters. They are fully programmable and can be powered from a wide choice of AC and DC voltages. This makes them ideal for general purpose measurement projects anywhere in the world.

10 reasons to choose the PICA range...

- Low cost
- Small size
- Universal AC or DC power
- Wide range of measurements
- Programme-lock function, for security
- Plug-in connectors for quick servicing
- Digital scaling for precision and stability
- Long warranty, extendable free of charge
- Fast, free technical support
- High immunity to interference



Actual size - Fully programmable, 95-265 VAC power

3 models for different input ranges

- Pica-P : +/-100mV, +/-10V, +/-20mA, +/-200V
- Pica-E : 0-110V / 0-600V AC / 0-1A / 0-5A AC
- Pica-T : PT100, T/C types K,J,T, deg. C and F

2 power options

- 85-265 VAC (also accepts 100-300 VDC)
- 11 to 70 VDC (also accepts 21-53 VAC)

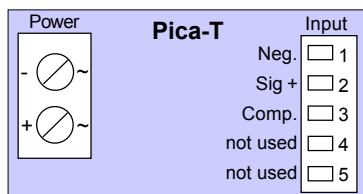
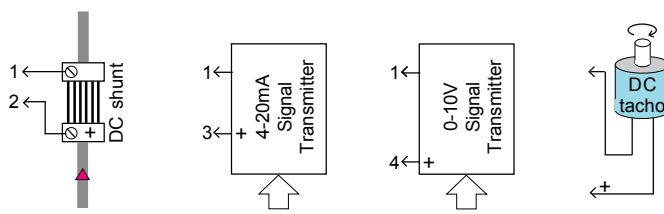
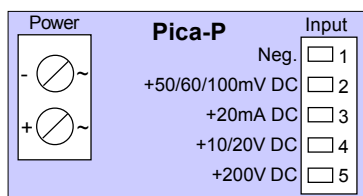
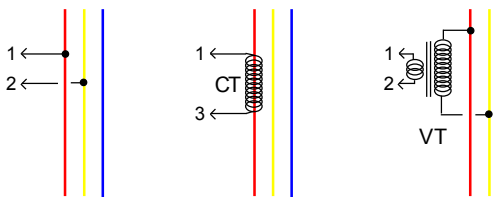
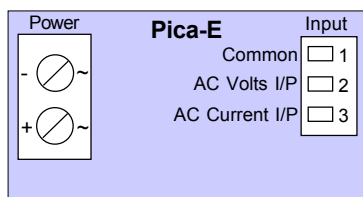
The PICA family offers you simplicity, flexibility and reliability for many general purpose process measurements.

The PICA-P is ideal for process monitoring, because it accepts 4-20mA, 0-10V and 1-5V DC process signals. You can scale your meter two ways. You can either type-in expected signal levels and desired readings (theoretical calibration) or you can apply signals to the meter from the system, and adjust the meter to read the desired values.

The PICA-E is mainly used to monitor power voltage and current.

The PICA-T will accept the most common temperature sensors.

Application Examples:



PICA-E Input Range for DC and AC voltage and Current (Fully scalable)

AC Voltage Input	0-100 V	0-600V	3 Megohm I/P R
DC Voltage Input	-100.0 to +100.0V	-199.9V to +600.0V	3 Megohm I/P R
AC Current Input	0-1.000 A	0-5.000 A	14 milliohm I/P R
DC Current Input	-1.000 to +1.000A	-1.999 to +5.000A	14 milliohm I/P R
Accuracy	+/- 0.4% rdg +/-4 digits		
TempCo	100ppm/Deg C		

PICA-P Input Range for DC Process signals (Fully scalable)

DC Voltage Ranges	+/-100.0mV* +/-9.999V +/-19.99V +/-200.0V	1(100*)MΩ I/P R
DC Current Range	+/-19.99mA	12 Ohm I/P R
Accuracy	+/- 0.1% rdg +/-3 digits	
TempCo	100ppm/Deg C	

PICA-T Input Range for Temperature sensor signals

Centigrade:

RTD PT100	-200 to +800C or -100.0 to +199.9 C	Accuracy +/- 0.2% rdg. +/-1 Deg C Accuracy +/- 0.2% rdg. +/-0.4 Deg C
Thermocouple type J	-50 to +850 C	Accuracy +/- 0.4% rdg. +/-2 Deg C
Thermocouple type K	-50 to +1250 C	Accuracy +/- 0.4% rdg. +/-2 Deg C
Thermocouple type T	-200 to +400 C	Accuracy +/- 0.4% rdg. +/-2 Deg C

Fahrenheit:

RTD PT100	-328 to +1472 F or -148.0 to +392.0 F	Accuracy +/- 0.2% rdg. +/-2 Deg F Accuracy +/- 0.2% rdg. +/-0.7 Deg F
Thermocouple type J	-58 to + 1562 F	Accuracy +/- 0.4% rdg. +/-4 Deg F
Thermocouple type K	-58 to +2282 F	Accuracy +/- 0.4% rdg. +/-4 Deg F
Thermocouple type T	-328 to +752 F	Accuracy +/- 0.4% rdg. +/-4 Deg F

CJ Compensation from -10 to +60 degrees C. TempCo +/-100 ppm/DegC. Warmup time 10 minutes.
PT100 excitation current <1.3mA, compensates balanced cables <40 Ohms each.

Common Specifications

Display:	
Display read-rate	4 updates per second
Scaling range	-1999 to +9999 for DC signals, 0 to 9999 for AC signals
Decimal point position	Selectable with the setup menu (no decimal point for thermocouple input)
Display type	Red LED 10mm high
A/D conversion	Sigma-Delta
Programming	With 3 pushbuttons on the lower surface of the bezel
Mechanical:	
Bezel area	24mm high x 48mm wide
Panel cutout	22mm high x 45mm wide
Case depth	70mm
Weight	50 grams
Sealing	IP65 from front
Case material	Polycarbonate, flammability rated UL 94 V-0
Environmental:	
Working temperature	-10 to +60 Deg. C
Storage temperature	-25 to +85 Deg. C
Humidity	Less than 95% rh, non-condensing
Power:	
Standard	85-265 VAC / 100-300 VDC (use fuse 0.1A rated 250 VAC)
Optional (add suffix -6)	21-53 VAC / 11 to 70 VDC (use fuse 0.5A rated 250 VAC)
Consumption	1.8 Watts max.

How to specify a full part number:

PICA - E, P or T - 0 or 6

Power 0 = 95-265VAC, 6 = 11-70VDC