

PICA-P

A compact 4 digit scalable process meter with wide-range power supply.



DESCRIPTION

INDICATOR for:

- PROCESS ($\pm 10V$, $\pm 20mA$)
- VOLTS DC \pm (200.0V and 20.00V)
- AMPERES DC (external shunt)
- mV ($\pm 100mV$)

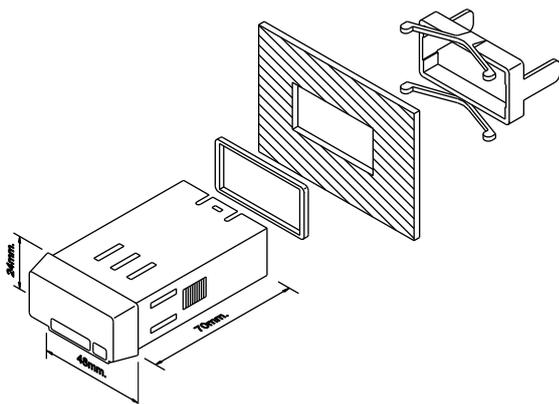
Fully programmable panel meter for volts, mA and mV DC measurement. -1999 to 9999 display range and configurable decimal point.

Controlled by three buttons situated on the bottom of the display.

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 front and rear panel installation.



TECHNICAL SPECIFICATIONS

INPUT	VOLTAGE				CURRENT
Range	$\pm 200V$	$\pm 20V$	$\pm 10V$	$\pm 100mV$	$\pm 20mA$
Resolution	0.1V	0.01V	1mV	0.1mV	0.01mA

INPUT IMPEDANCE

Volts	1M Ω
mV	100M Ω
mA	20 Ω

ACCURACY at 23°C $\pm 5^\circ C$

Maximum Error	$\pm(0.1\% \text{ rdg} + 3 \text{ digits})$
Temperature Coefficient	100 ppm/ $^\circ C$
Warm-up Time	5 minutes

POWER SUPPLY AND FUSES (DIN 41661, not included)

PICA-P:	85-265V AC 50/60Hz and 100-300V DC F 0.1A/ 250V
PICA-P6:	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

Range	-1999 to 9999
Type	4 red digits 10mm
Display Refresh Rate	4/s
Display/input Over-range Indication	OL

ENVIRONMENTAL CONDITIONS

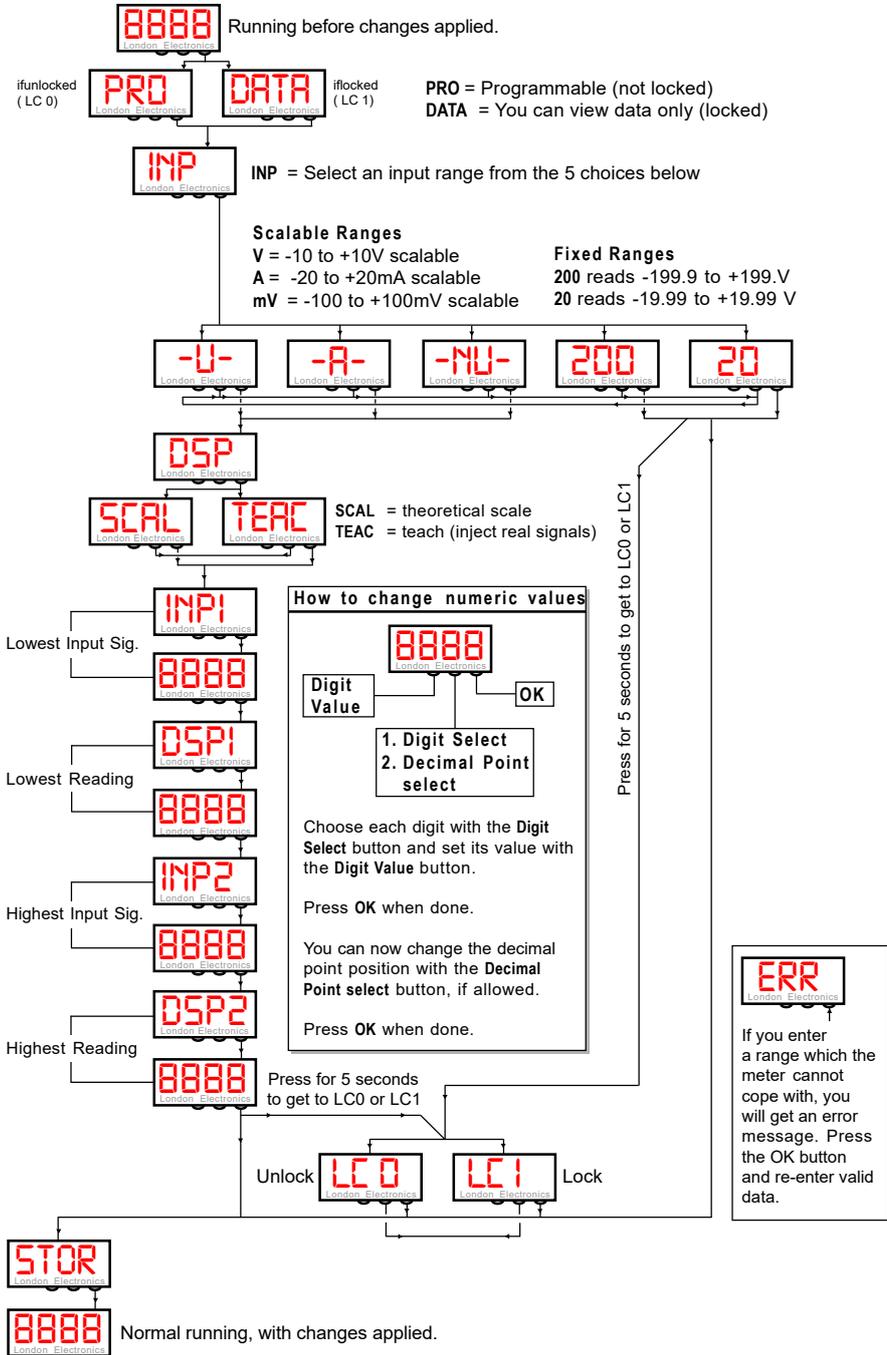
Operating Temperature	$-10^\circ C$ to $+60^\circ C$
Storage Temperature	$-25^\circ C$ to $+85^\circ C$
Relative Humidity (non condensing)	$<95\%$ @ $40^\circ C$
Maximum Altitude	2000m
Front Panel Sealing	IP65

ORDERING CODES

PICA-P-X	
Input Type:	
Supply Voltage:	
85-265V AC 50/60Hz and 100-300V DC	0
21-53V AC 50/60Hz and 11-70V DC	6

CONFIGURATION

Display range: Input $\pm(10V)$ $\pm(20mA)$ -1999 to 9999
 Display range: Input $\pm(50/60/100mV DC)$ -1999 to 9999
 Display range: Input 200 V DC calibrated range -199.9 to 199.9
 Display range: Input 20 V DC calibrated range -19.99 to 19.99



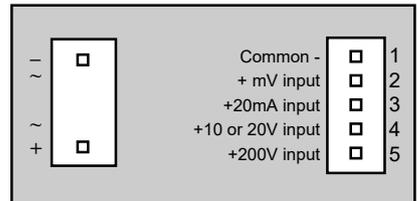
SCAL: Programming method introducing **INP1** and **INP2** values by keyboard.
TEAC: Programming method where instrument reads **INP1** and **INP2** real values.
INP1, **INP2**: Input signal values corresponding to desired display **DSP1** and **DSP2**.
DSP1: Display value corresponding to **INP1**.
DSP2: Display value corresponding to **INP2**.
LC 0: Configuration unlocked
LC 1: Configuration totally locked. (All parameters are shown as **DATA**).

CONNECTIONS

Instruments include a sealing gasket and a fixing clip for front and rear panel installation. These meters have detachable plug-in connectors. Wires are held in place with spring clamps. A special displacement tool is included to help you connect your wiring to the clamps.

Power

Signal Input



WARNING

In order to guarantee electromagnetic compatibility, the following guidelines for cable wiring must be followed:
 Power supply wires must be separated from signal wires. Never run power and signal wires in the same conduit.
 Use shielded cable for signal wiring and connect shield to ground.
 Cable section must be $\geq 0.25mm^2$

INSTALLATION

Where the unit is permanently connected to the main supply and to meet the requirements of EN61010-1 Directive, it is obligatory to install a circuit breaker device easy reachable to the operator and clearly marked as a protection device.

CLEANING: Front cover should be cleaned only with a soft cloth soaked in neutral soap product. **DO NOT USE SOLVENTS.**

WARRANTY

All products are warranted against defective material and workmanship for a period of two years from acquisition date.

If a product appears to have a defect or fails during the normal use within warranty period, please contact the distributor from whom you purchased the product to be given proper instructions.

This warranty does not apply to defects resulting from action of the customer such as mishandling or improper interfacing.

The liability under this warranty shall extend only to the repair of the instrument; no responsibility is assumed by the manufacturer for any damage which may result from its use.