

PICA-P

INSTRUCTIONS MANUAL



DESCRIPTION

- INDICATOR for:
- PROCESS ($\pm 0-10V$, $\pm 20mA$)
- VOLTS DC ($\pm 200.0V$ and $20.00V$)
- AMP DC (shunt ext.)
- mV ($\pm 100mV$)

48 x 24 mm frontal

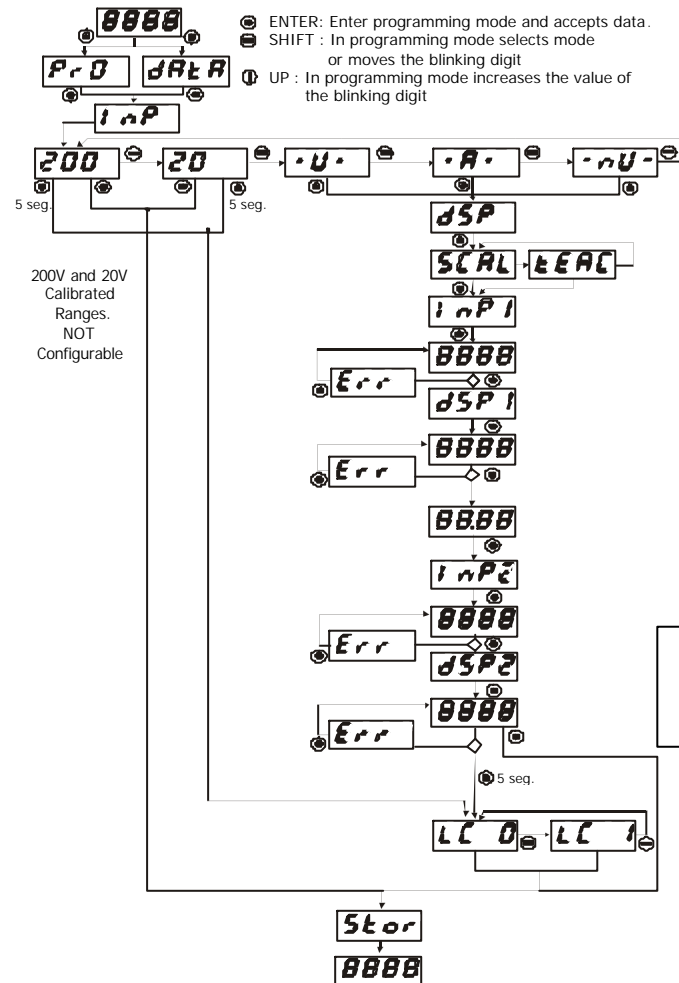
Panel meter for indication of **volts, mA and mV** DC, completely programmable.

Display range $-1999 \div 9999$, programmable decimal point.

Three keys keyboard situated on the bottom of the display.

PROGRAMATION

Display range: Input	U-	$\pm(0-10V)$	A-	$\pm(0-20mA)$	$-1999 \div 9999$
Display range: Input	mV-	$\pm(50/60/100mV)$			$-1999 \div 9999$
Display range: Input	200				calibrated $-199.9 \div 199.9$
Display range: Input	20				calibrated $-19.99 \div 19.99$



SCAL: Programming method introducing **InP1** and **InP2** values by keyboard.
tEAC: Programming method where instrument learns actual values of **InP1** and **InP2**.
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: Programming unlocked.
LC 1: Programming totally locked. (Show all parameters like **dAtA**).

WARRANTY

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

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

This warranty does not apply to defects resulting from action of the buyer 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.

TECHNICAL CHARACTERISTIQUES

INPUT

	200	20	U-	mV-	A-
Range	$\pm 200V$	$\pm 20V$	$\pm 10V$	$\pm 100mV$	$\pm 20mA$
Resolution	0.1V	0.01V	1mV	0.1mV	0.01mA

VOLTAGE

CURRENT

INPUT IMPEDANCE

Volts	1M Ω
mV	100M Ω
mA	12,1 Ω

ACCURACY at 23°C $\pm 5^\circ C$

Max Error	$\pm (0.1\% \text{ of reading} + 3 \text{ digits})$
Temperature coefficient	100 ppm/ $^\circ C$
Warm up	5 minutes

POWER SUPPLY AND FUSSES (DIN 41661) (Not supplied)

PICA-P 85-265 VAC 50/60 Hz and 100-300VDC .. F 0.1A/ 250V

PICA-P6 21-53 VAC 50/60Hz and 10,5-70VDC F 0.5A/ 250V

CONVERSION

Technical	Sigma-Delta
Resolution	± 15 bits
Rate	25/ s

DISPLAY

Range	$-1999 \div 9999$
Type	4 digitos rojos 10mm
Reading rate	4/s
Overflow indication	0uE

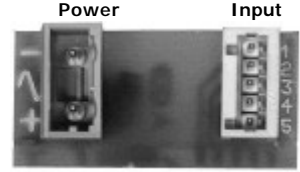
ENVIRONMENTAL

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

INSTALATION AND CONECTION

DIMENSIONS

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



Back view

Keyboard detail (bottom view)



1. -IN (COMMON).
2. + (50/ 60/ 100) mV DC.
3. +20mA
4. + (10/ 20) V DC
5. +200V DC



WARNING

In order to guarantee electromagnetic compatibility, the following guidelines for cable wiring must be followed:

Power supply wires must be routed separated from signal wires. **Never** run power and signal wires in the same conduit.

Use shielded cable for signal wiring and connect the shield to ground.

The cable section must be ≥ 0.25 mm²

INSTALLATION

To meet the requirements of the directive EN61010-1, where the unit is permanently connected to the mains supply it is obligatory to install a circuit breaking device easily reachable to the operator and clearly marked as the disconnect device.

CLEANING: The frontal cover should be cleaned only with a soft cloth soaked in neutral soap product.

DO NOT USE SOLVENTS

Manufacturer : DITEL - Diseños y Tecnología S.A.

Address : Travessera de les Corts, 180

08028 Barcelona

ESPAÑA

Declares, that the product :

Description : Digital panel meter

Model : **PICA-P**

Conforms with the directives: EMC 89/336/CEE

LVD 73/23/CEE

Applicable Standards: **EN50081-1** Generic emission.

Applicable Standards: **EN50082-1** Generic immunity.

Applicable Standards: **EN61010-1** Generic safety.

Date: 30 April 2001

Signed: José M. Edo

Charge: Technical Manager



13/06/03

Valid for panel meters #178247



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