PICA-P

INSTRUCTIONS MANUAL

DESCRIPTION

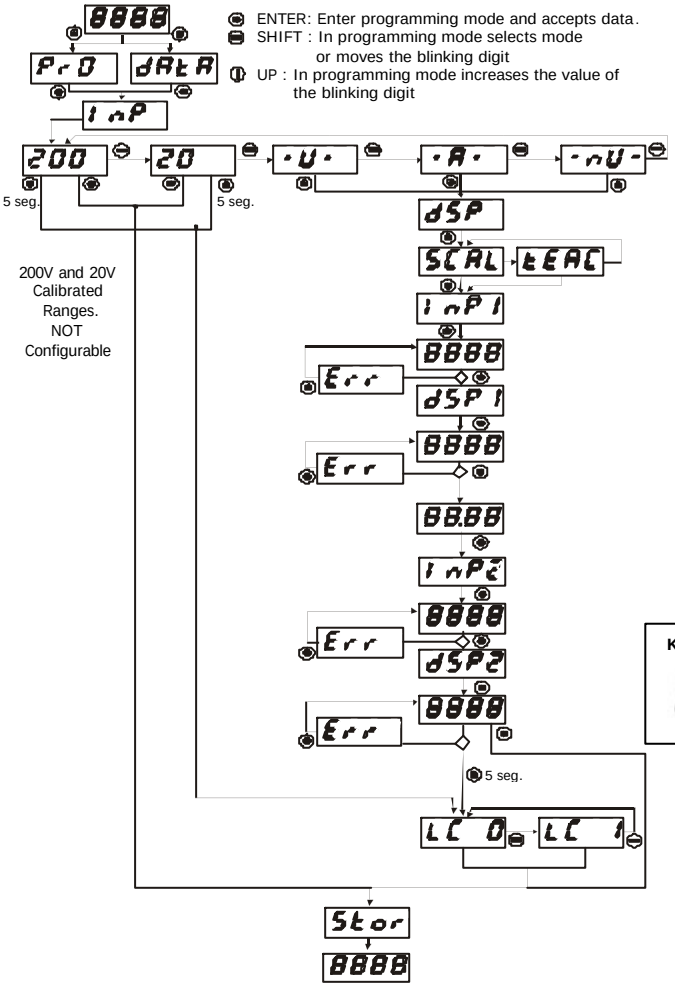
-INDICATOR for:
-PROCESS (±0-10V, ±20mA)
-VOLTS DC ±(200.0V and 20.00V)
-AMP DC (shunt ext.)
-mV (±100mV)

48 x 24 mm frontal

Panel meter for indication of **volts, mA and mV** DC, completely programmable.
Display range –1999 ÷ 9999, programmable decimal point.
Three keys keyboard situated on the bottom of the display.

PROGRAMATION

Display range: Input [-U-] ±(0-10V) [-A-] ±(0-20mA)..... -1999 ÷ 9999
Display range: Input [-nU-] ±(50/60/100mV)..... -1999 ÷ 1999
Display range: Input [200] .....calibrated -199.9 ÷ 199.9
Display range: Input [20] .....calibrated -19.99 ÷ 19.99



ENTER: Enter programming mode and accepts data.
SHIFT : In programming mode selects mode or moves the blinking digit
UP : In programming mode increases the value of the blinking digit

200V and 20V Calibrated Ranges. NOT Configurable

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.

100% RECYCLED PAPER

13/06/03

Valid for panel meters #178247 and so on

TECHNICAL CHARACTERISTIQUES

INPUT	VOLTAGE			CURRENT	
	[200]	[20]	[-U-]	[-nU-]	[-A-]
Range	±200V	±20V	±10V	±100mV	±20mA
Resolution	0.1V	0.01V	1mV	0.1mV	0.01mA

INPUT IMPEDANCE
Volts 1MΩ
mV 100MΩ
mA 12,1Ω

ACCURACY at 23°C ±5°C
Max Error. .....±(0.1% of reading + 3 digits)
Temperature coefficient.....100 ppm/°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

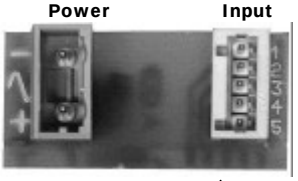
CONVERSIÓN
Technical.....Sigma-Delta
Resolution .....±15 bits
Rate.....25/ s

DISPLAY
Range..... -1999 ÷ 9999
Type ..... 4 dígitos rojos 10mm
Reading rate..... 4/s
Overflow indication.....OvE

ENVIROMENTAL
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

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 mm?

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 easy 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

CE

Declares, that the product :
Description : Digital panel meter
Model : **PICA-P**

Conforms with the directives: EMC 89/336/CEE
LVD 73/23/CEE

Applicable Standars: **EN50081-1** Generic emission.
Applicable Standars: **EN50082-1** Generic immunity.
Applicable Standars: **EN61010-1** Generic safety.

Date: 30 April 2001
Signed: José M.Edo
Charge: Technical Manager