

PA200

INSTRUCTIONS MANUAL



DESCRIPTION

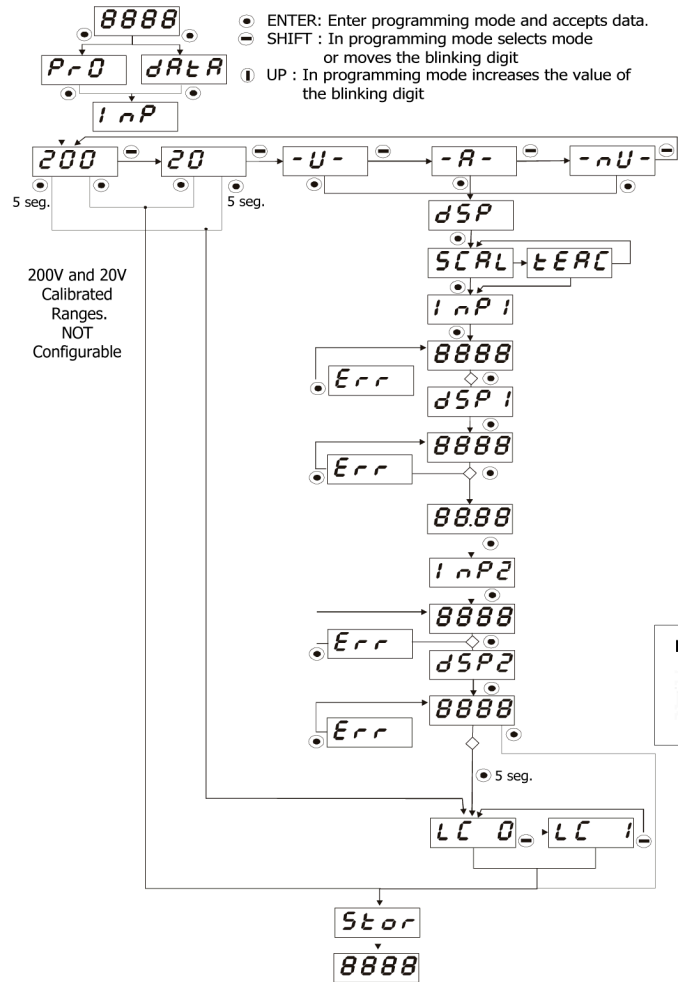
- INDICATOR for:
- PROCESS ($\pm 0-10V$, $\pm 20mA$)
- VOLTS DC ($\pm 200.0V$ and $20.00V$)
- AMP DC (shunt ext.)
- mV ($\pm 100mV$)

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-	$\pm(0-10V)$	-R-	$\pm(0-20mA)$	$-1999 \div 9999$
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**).

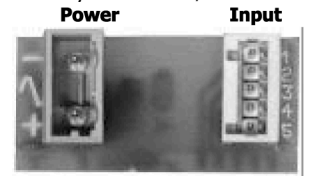
TECHNICAL CHARACTERISTIQUES

INPUT	VOLTAGE		CURRENT		
	200	20	-U-	-mV-	-R-
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	.....12,1 Ω				
ACCURACY at 23°C $\pm 5^\circ C$					
Max Error	..... $\pm(0.1\%$ of reading + 3 digits)				
Temperature coefficient	.....100 ppm/ $^\circ C$				
Warm up	..... 5 minutes				
POWER SUPPLY AND FUSES (DIN 41661) (Not supplied)					
PA200.004	85-265 VAC 50/60 Hz and 100-300VDC F 0.1A/ 250V				
PA200.005	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 dígitos 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				

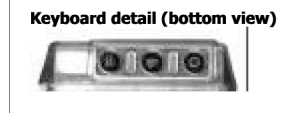
INSTALLATION AND CONECTION

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)



Wire connection tool

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 $\cdot 0.25 \text{ mm}^2$.

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

Baumer IVO S.A.S.
 ZI SUD - 3, rue Denis Papin
 F-67403 ILLKIRCH
 Tél 03.88.55.29.00
 Fax 03.88.55.29.19
www.baumerivo.com

