

Process Panel Meter Model PAX-P

Microprocessor controlled
Accuracy 0,03% F.S. ± 1 digit

Features

- 5 digit LED display, 14 mm high
- Input signal 0/4-20 mA and 0-10 VDC
- Display update rate up to 20 / sec
- Optional boards for analog output, alarm contacts and serial output
- Easy to set up from front panel or with PC
- Protection IP65

Ranges

0 ... 20 mA
0 ... 10 VDC

Application

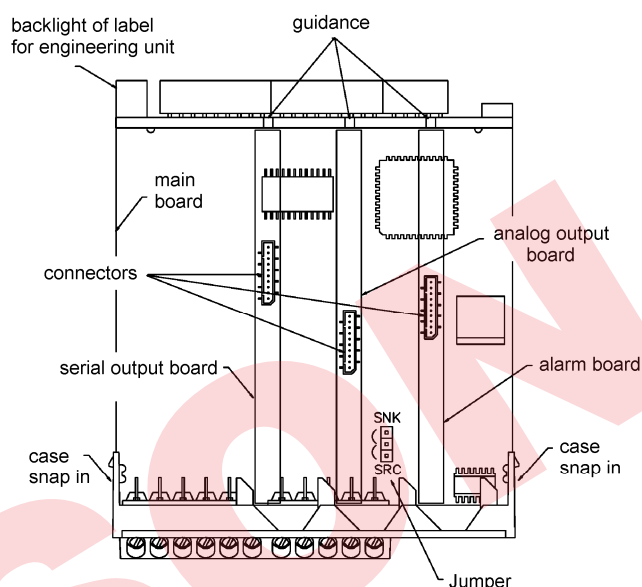
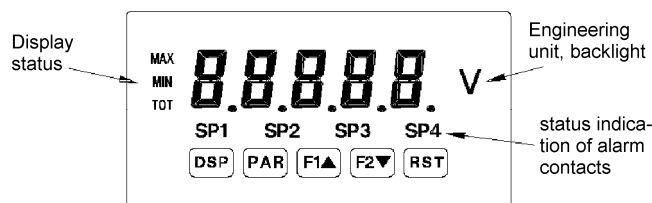
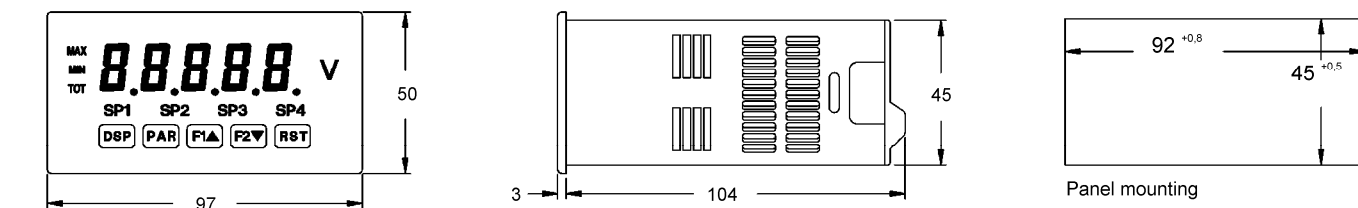
Display, power supply and signal utilization for all pressure transmitters and other devices with standard current or voltage output



Technical specifications	PAX-P
Measuring principle	Microprocessor controlled with 16 bit A/D converter
Range [mA]	20 mA (-2 ... 26 mA)
Overload [mA]	150
Range [VDC]	10 VDC (-1 ... 13 VDC)
Overload [VDC]	300
Display update rate	Up to 20 / sec
Display	5-digit LED, 14 mm high
Unit label	Software controlled units label backlight
Case material	High impact plastic
Power supply	85 ... 250 VAC / 50/60 Hz, optional 11 ... 36 VDC or 24 VAC $\pm 10\%$
Power consumption	15 VA or 11 W
Power supply for transmitter	24 VDC $\pm 5\%$, stabilized, max. 50 mA
Accuracy	0,03% (from 18 up to 28°C) 0,12% (from 0..50°C)
Integrated functions	Max/Min reading memory, Totalizer, digital filter, 2 ... 16 points custom linearization
Serial output	Optional board RS-232
Isolation voltage	500 VDC to user commons
Analog output	Optional board with selectable output signal 0/4-20 mA or 0-10 VDC
Accuracy	0,17% (10 ... 28°C), 0,4% (0 ... 50°C)
Repeatability	3500 digits
Max. loop resistance	500 Ω at 10 VDC
Isolation voltage	500 VDC to user commons
Alarm contacts	Optional boards
Max. current	- with 2 alarm contacts (form C relays) 5 A at 120/230 VAC or 28 VDC (resistive loads), at 120 VAC max. 80 VA (inductive loads) - with 4 alarm contacts (form A relays) 3 A at 250 VAC or 30 VDC (resistive loads), at 120 VAC max. 80 VA (inductive loads)
Response time (0 ... 99%)	≤ 200 ms
Permissible	
Operation temperature	0 ... 50°C
with 3 option boards)	0 ... 45°C
Storage temperature	-40 ... 60°C
Compensated temperature range	0 ... 50°C
Low frequency noise rejection: NMR	> 60 db at 50/60 Hz $\pm 1\%$
Common mode: CMR	> 100 db, DC up to 120 Hz
CE-mark/EMC	Emission acc. EN 50 081-1 (March 1993) Immunity acc. EN 50 082-2 (March 1996)
Electrical connections	Fixed terminals
Protection according EN 60 529/IEC 529	IP65
Weight [kg]	0,3 (without optional boards)
Accessories, Options	Unit labels, setup software for Windows

All specifications are subject to change without notice.

General dimensions [mm]



Electrical connection

Base Unit (PAXP0000):

1	AC	85 - 250 VAC
2	AC	50/60 Hz
3	10 V	input voltage
4	20 mA	input current
5	COMM.	input common
6	+24 VDC	power supply 24 VDC/50 mA
7	COMM.	user input common
8	USER1	digital user input 1
9	USER2	digital user input 2
10	USER3	digital user input 3
11	N/C	not used

1	2	3	4	5	6	7	8	9	10	11
AC	AC	10 V	20 mA	COMM.	+24 VDC	USER COMM.	USER1	USER2	USER3	N/C

Order information

Type	Input signal	Range	Eng. unit	Power supply	Alarm contacts	Analog output	Serial output	Options
PAX-P	(01) 0/10 VDC (05) 0/5 VDC (15) 1/5 VDC (16) 1/6 VDC (20) 0/20 mA (42) 4/20 mA	acc. range of transmitter	BAR MBAR KG/CM2 PSI INHG PA KPA MPA others on request	(A) 24 VDC (B) 85..230 VAC	(=) without (GK2) 2 alarm contacts (relays form C) (GK4) 4 alarm contacts (relays form A)	(=) without (A42) 4-20 mA (A01) 0-10 VDC	(=) without (RS) RS-232 RS485 on request	(PRG) Windows-set up software (ETI) Labels with engineering units

How to order

Type	Input signal	Range	Engineering unit	Power supply	Alarm contacts	Analog output signal	Serial output	Options
PAX-P	42	-1/9	BAR	B	GK2	A01	RS	PRG

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