



Description

The PAX P industrial digital display is used in the most varied areas, including under harsh ambient conditions. It is available for switch panel integration or in a desktop housing. PAX P is suitable for connection to sensors with a voltage or current output, particularly for force transducers, load cells, pressure transducers and torque transducers.

The display can be tared, indicates the minimum and maximum value and enables summation of measured values. Up to 4 limit values can be optionally entered and displayed. All parameters can be programmed easily and clearly with 5 pushbuttons on the control panel or, optionally, via the PC. The user can add the calibrated measurement unit to the display where it can be backlit for depiction.

In addition to the scope of supply, the PAX P display can be equipped with up to 3 plug-in cards (analog output, interface and limit value cards).

Features

- | Connection to sensors with voltage and current output
- | 5-digit red or green LED display
- | Controllable luminous intensity
- | Summing, min. and max. value memory
- | 3 user inputs
- | 16-step linearization
- | Desktop housing (IP 40)
or
switch panel integration (front IP 65)

Applications

- | Force measurement
- | Weighing technology
- | Pressure, torque measurement
- | Further sensor applications

Technical data

Display	5-digit
Resolution	16 bit
Inputs	3 programmable inputs (PNP or NPN switching)
Input signals	0-20 mA/ 4-20 mA/ 0-10V
Measuring rate	20 measurements/sec
Sensor supply	24 V, max. 50 mA
Operating temperature range	0°C to +50°C 0°C to +40°C (equipped with 3 optional output cards)
Storage temperature range	-40°C to +60°C

Desktop housing:

Power supply	12V via mains adapter
Housing	Shockproof plastic housing
Dimensions (w x h x d)	150 mm x 65 mm x 205 mm
Degree of protection	IP 40

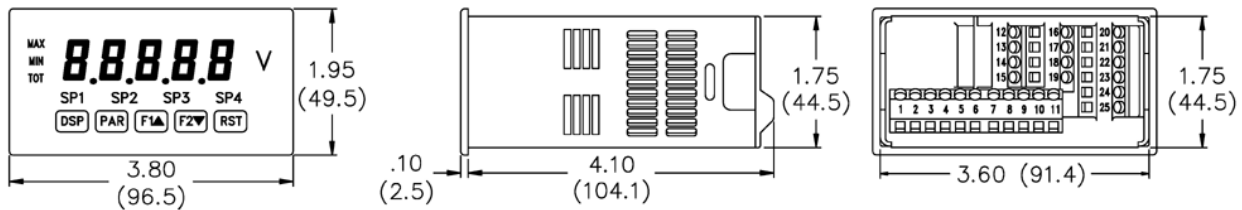
Switch panel integration:

Power supply	85-250 V AC / 11-36 V DC, 24 V AC
Dimensions (w x h x d)	96.5 mm x 49.5 mm x 104 mm
Degree of protection	Front IP 65

Options

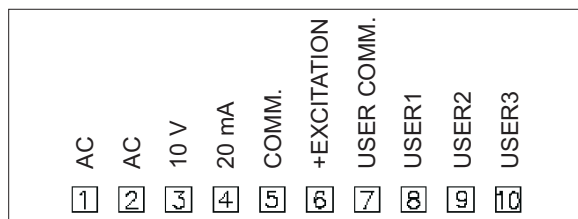
Interface cards
(RS 232, RS 485, PROFIBUS-DP, DeviceNet)
Analog output (0-20 mA, 4-20 mA, 0-10 VDC)
Relay output
NPN or PNP transistor output
PC software for PAX P display programming

Dimensions



Dimensions in inches (mm)

Pin assignment



1	AC	voltage supply
2	AC	voltage supply
3	10 V	signal input +: voltage
4	20 mA	signal input +: current
5	COMM	signal input: ground
6	+EXCITATION	sensor supply: 24 VDC / 50 mA
7	USER COMM	ground user input
8	USER 1	user input 1
9	USER 2	user input 2
10	USER 3	user input 3
11		not assigned