Display module
PAX P

Connection to sensors with voltage and
  current output
Summing, min. and max. value memory
Interface cards

Force measurement
Pressure, torque measurement
Further sensor applications

Designed,
developed and
made in Germany

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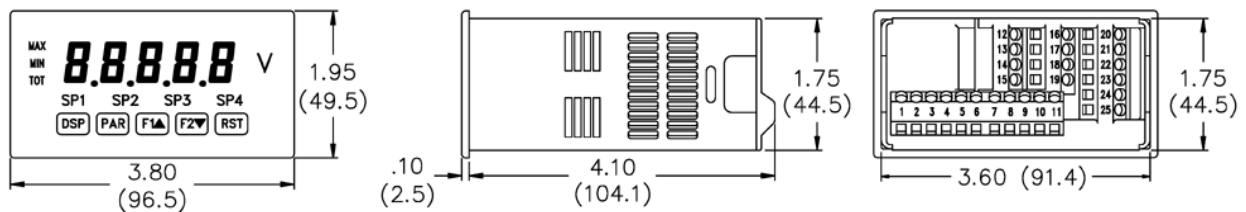
In addition to the scope of supply, the PAX P display can be equipped with up to 3 plug-in cards (analog output, interface and limit value cards).

Technical data

Type	PAX P Desktop housing	PAX P Switch panel integration
Display	LCD display, 5-digit	
Resolution	16 bit	
Inputs	3 programmable inputs (PNP or NPN switching)	
Input signals	0-20 mA / 4-20 mA / 0-10V	
Sensor supply	24 V, max. 50 mA	
Operating temperature	0°C to +50°C / 0°C to +40°C (if equipped with 3 optional output cards)	
Storage temperature	–40°C to +60°C	
Measuring rate	20 measurements / s	
Power supply	12 V via mains adapter	85-250 V AC / 11-36 V DC, 24 V AC
Dimensions [mm]	D 205 x W 150 x H 65	D 104 x W 96.5 x H 49.5
Housing	Shockproof plastic housing	
Protection class	IP 65	Front IP 65

Dimensions for switch panel integration

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	+EXITATION	sensor supply: 24 V DC / 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

Options

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