HKM Messtechnik

Display module

PAXS

Direct connection to strain gauges and sensors
Summing, min. and max. value memory
Interface cards

Force measurement
Pressure, torque measurement

Designed, developed and made in Germany

The PAXS industrial digital display is designed for the harsh conditions in industrial weighing technology. It can be employed universally integrated in a switch panel or in a desktop housing. PAXS is suitable for both direct linking to strain gauges and connection to 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.

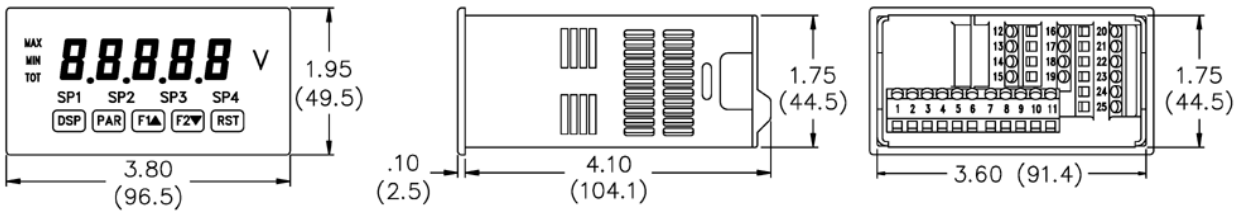
In addition to the scope of supply, the PAXS display can be equipped with up to 3 plug-in cards (output, interface and limit value cards).

Technical data

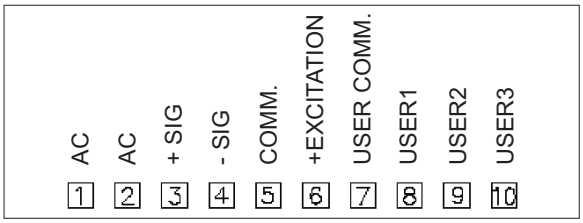
Type	PAX S Desktop housing	PAX S Switch panel integration
Display	LCD display, 5-digit	
Resolution	16 bit	
Inputs	3 programmable inputs (PNP or NPN switching)	
Input signals	0-20 mA / 4-20 mA / 0-10V	
Sensor supply	24 V, max. 50 mA	
Sensor bridge resistance	80 Ω to 100 kΩ (max. 4 sensors x 350 Ω)	
Operating 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	+SIG	signal input +
4	-SIG	signal input -
5	COMM	bridge input: ground
6	+EXITATION	bridge supply: 5 V DC / 10 V DC
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, 0-10 V DC
- Relay output
- NPN or PNP transistor output
- PC software for PAX P display programming