

### Description

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).

### Features

- | Direct connection to strain gauges and sensors
- | 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

## Technical data

|                             |   |
|-----------------------------|---|
| Display                     | 5-digit   |
| Resolution                  | 16 bit  |
| Inputs                      | 3 programmable inputs<br>(PNP or NPN switching)                         |
| Input voltage               | $\pm 24 \text{ mV} / \pm 240 \text{ mV}$                                |
| Measuring rate              | 20 measurements/sec   |
| Sensor supply               | 5V or 10V   |
| Sensor bridge resistance    | 80 $\Omega$ to 100 k $\Omega$<br>(max. 4 sensors x 350 $\Omega$ )       |
| Operating temperature range | 0°C to +50°C<br>0°C to +40°C (equipped with<br>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                      |

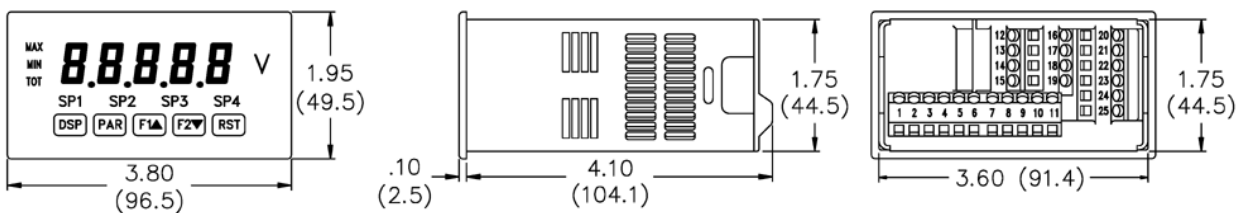
### Switch panel integration:

|                        |                                   |
|------------------------|-----------------------------------|
| 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                       |

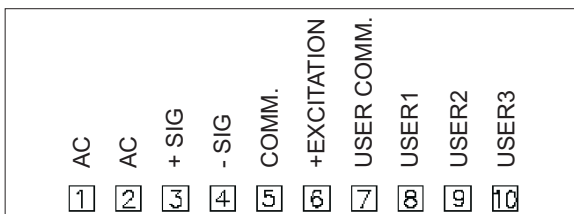
## Options

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

## Dimensions



## Pin assignment



|    |             |                               |
|----|-------------|-------------------------------|
| 1  | AC          | voltage supply                |
| 2  | AC          | voltage supply                |
| 3  | +SIG        | signal input +                |
| 4  | -SIG        | signal input -                |
| 5  | COMM        | bridge input: ground          |
| 6  | +EXCITATION | bridge supply: 5V DC / 10 VDC |
| 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                  |