

## Microprocessor Controlled Display Unit in 28 TE Table Housing

**Type PAX-TG**

- Display Freely Scalable
- 5-Digit LED-Display
- Extendable with up to  
3 Output Modules
- 20 Measurements/s
- Minimum-Maximum  
Value Display
- 16-Step Linearity



### DESCRIPTION:

This measuring amplifier is a very flexible and precise laboratory device. Sensor signals can be displayed, scaled and processed.

The device gets easily programmed by 5 keys through the user interface. Additional functions e.g. Min.-Max. memory, tare and delete memory can be carried out.

The measuring amplifier is freely scaled by the 2-point method or by applying input signals. The sensor can be easily calibrated by control keys (presumed that the sensor has 100% calibration control). Up to 16 steps linearization is possible as well.

The decimal point can be selected freely. If necessary, the display can be stabilized by a rounding factor and digital filtration.

A code avoids unintended changes of parameters.

The device can be equipped with various output interfaces. In each case the device can be equipped at the max. with a limit value output, an analog output and an interface plug-in module.

The physical unit is backlit and should be specified when placing the order.

### TECHNICAL DATA:

| Type                      | PAXD<br>0000-TG  | PAXD<br>0010-TG  | PAXS<br>0000-TG                    | PAXS<br>0010-TG  |
|---------------------------|--|--|------------------------------------|--|
| Art. No.                  | 101028   | 101029   | 100888                             | 101015   |
| Supply                    | 85...250 V AC<br>50/60 Hz<br>15 VA   | 11...36 V DC<br>11 W or 24 V<br>AC ±10%<br>50/60 Hz<br>15 VA | 85...250 V AC<br>50/60 Hz<br>15 VA | 11...36 V DC<br>11 W or 24 V<br>AC ±10%<br>50/60 Hz<br>15 VA |
| Measuring Rate<br>Display | 20 Measurements/s<br>5-digit, Height 14 mm, red LED, device freely definable |  |                                    |  |

### Sensor Side

|                             |   |                                     |
|-----------------------------|---|-------------------------------------|
| Excitation                  | 24 V DC 50 mA   | 10 V DC 125 mA (5 V 65 mA)          |
| Temp. Coefficient           | 40 ppm/°C   | 20 ppm/°C                           |
| Signal Input /<br>Impedance | ±2 V / 1.066 MΩ<br>±20 V / 1.066 MΩ<br>±20 mA / 11.1 Ω<br>±200 mA / 1.1 Ω | ±24 mV / 100 MΩ<br>±240 mV / 100 MΩ |

### Miscellaneous

|                           |                    |
|---------------------------|--------------------|
| Service Temperature Range | 0...+45 °C         |
| Storage Temperature Range | -40...+85 °C       |
| Dim. (W x H x D)          | 187 x 148 x 263 mm |
| Weight                    | approx. 2.6 kg     |
| Level of Protection       | IP 21              |

| Options | Art. No.   | Function   |
|---------|------------|--|
| DC10E   | 101016     | Interface module RS485   |
| DC20E   | 100949     | Interface module RS232   |
| DL10E   | 101035     | Analog output 0...10 V or 0...20 V, 4...20 mA                      |
| DS10E   | 100950     | 2 limit value relays, change-over contacts                         |
| DS20E   | 101036     | 4 limit value relays closing contact                               |
| DS30E   | 101037     | 4 limit value transistor outputs NPN                               |
| DS40E   | 101039     | 4 limit value transistor outputs PNP                               |
| EXT     | 101040     | External control: tare, delete buffer...                           |
| LPAX    | On request | Device with 38 mm-high LED-display                                 |
| PAX-XLS | 106872     | Measurement Software for Excel, applicable with option RS232, only |

For further specifications see data sheet PAX.