

Data sheet

## Plug-in display

MBD 1000

for pressure/temperature transmitters with output 4–20 mA



A plug-in display that can be universally applied to all MBS, AKS and MBT transmitters with a 4–20 mA output and a plug connection according to EN 175301-803-A.

The MBD 1000 is simply inserted between the transmitter and its connector by means of the integral DIN cubic plug adaptor.

Measurement range, decimal point and filtering can be comfortably adjusted with 3 push-button keys after removal of the front cover.

The display provides a simple and effective solution for local monitoring of pressure and temperature.

### Features

- Polarity protected
- No auxiliary energy source required
- Can be tilted to any position
- High accuracy and minimal temperature drift
- Easy installation
- Displaying transmitter output
- CE approved

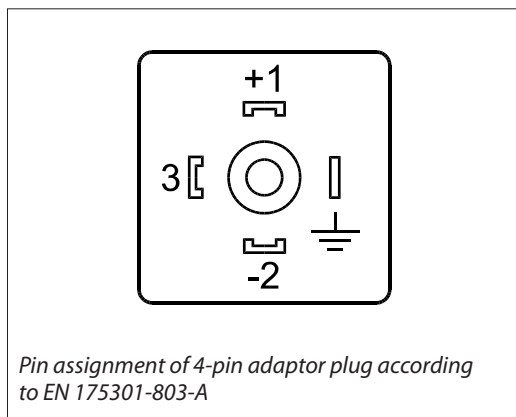
**Technical data**
*Performance (EN 60770)*

|  |  |
|--|--|
| Input signal                                   | 4–20 mA (2-wire)   |
| Max. allowed input current                     | 40 mA  |
| Reverse voltage protection                     | polarized installation   |
| Voltage drop                                   | approx. 3 V  |
| Display  | 10 mm high LCD-display   |
| Display range                                  | start and end value freely programmable                                      |
| Maximum display value                          | 9999   |
| Minimum display value                          | -1999  |
| Decimal point                                  | any position   |
| Measuring accuracy                             | 0.2% ± 1 digit   |
| Temperature drift                              | 100 ppm / °C   |
| Measuring interval                             | approx. 3 measurements / sec.  |
| Filtering                                      | selectable in 3 stages   |
| Nominal temperature                            | 25 °C  |
| Ambient temperature                            | 0 – 50 °C  |
| Humidity                                       | 0 – 80% RH (non condensing)  |
| Electromagnetic compatibility additional error | according to EN61000-6-2 and EN61000-6-3 < 1%                                |
| Housing Dimensions                             | ABS. Front screen made of polycarbonate<br>48.5 x 48.5 x 35.5 mm (L x W x D) |
| Electrical connection                          | EN 175301-803-A  |
| IP rating                                      | IP65   |

**Ordering**

| Type     | Code no. |
|----------|----------|
| MBD 1000 | 060G2850 |

**Electrical connection**



| Pin |                                   |
|-----|-----------------------------------|
| 1   | Supply +                          |
| 2   | Supply –                          |
| 3   | NC                                |
| ⏏   | Connection to transmitter housing |

**Dimensions**

