SENSE Instruments CO., LTD.

2 -wire Loop Powered Display
Plug-On LEDD-01

Application

All transmitters with an output signal
4 to 20 mA and a DIN 43650 plug

Performance

Plug and play

For 4 to 20mA output, Plug DIN 43650

Self powered

Compact design

Easy programming with Push buttons

Visible in the dark environment

Ingress protection IP 65

Reverse Polarity

Low power consumption

16 Bit ADC MCU inside

LED can work at 3mA

Optional: Two OPTO switch outputs

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The Plug-on display LEDD-01 is fit for all of the transmitters and converters with 4~20mA 2-wire technique, just as pressure, differential pressure, temperature, flow, PH, acceleration and so on.

16 Bit ADC MCU inside.

Customer can use the two buttons to program the zero point, span, decimal point, damping and alarm point etc.

Over or under range are displayed as a message. The integrated smart diagnostic system continuously monitors all device function.

The programmed parameters are stored in an EEPROM and being kept in case of a power failure.

The plug-on display is simply plugged in between connector and socket; it is then ready for operation.

The plug-on display is powered by the current loop of the 4 to 20 mA signal transmitter. No additional auxiliary power is required.

The plug-on display can be rotated in 90° steps, it can thus be adapted to different mounting positions.
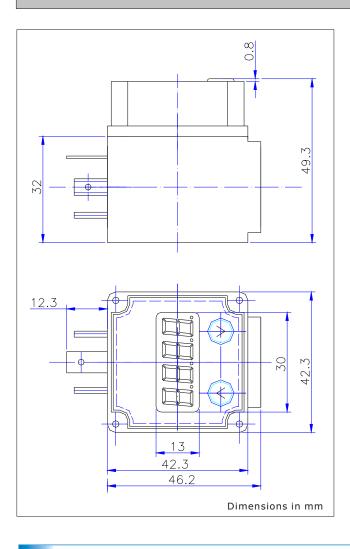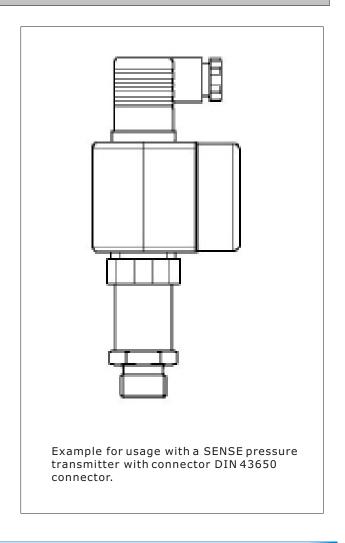
Technical data

Display	
Type	4-digit, red LED display, digit height 7 mm, digit width 4.85mm
Range	-1.9.9.9.to 9.9.9.9.
Accuracy	0.1%±1digit
Digital damping	0 to 20 s (step 0.5 s)
Supply	
Supply	Not required, 4 to 20 mA loop powered
Voltage drop	≤2.5V
Electrical protection	
Short-circuit protection	Permanent
Reverse polarity protection	Max.current: approx. 200 mA
Ambient temperatures	
Operating	-20 to 70℃
Storage	-30 to 85℃

Materials

Display housing	ABS

Others

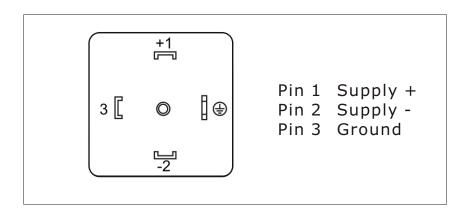|	
Weight	Approx.80g
Ingress protection	IP 65
Color of housing	Black, orange(option)

Dimensions

Dimensions in mm

Example for usage with a SENSE pressure transmitter with connector DIN 43650 connector.

Electrical connection


```
    +1
   ⊏⊐

3  ▯   ◎   ▯⊕      Pin 1   Supply +
                   Pin 2   Supply -
    ⊏⊐             Pin 3   Ground
    -2
```

Pin 1   Supply +
Pin 2   Supply -
Pin 3   Ground

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