# INOR

# LCD-H20

## Loop Powered LCD Indicator for In-head Mounting

*LCD-H20*

CE  ⑤

LCD-H20 is a digital indicator for installation directly in a 4-20 mA loop without need for external power.
LCD-H20 is designed for in-head mounting in a sensor connection head with glass window.
The indicator is equipped with high-contrast, easy-to-read LCD digits.
The scale is easily programmable, without reference signal, by three pushbuttons for any values between -1999 and 9999.
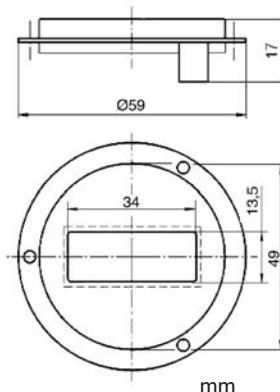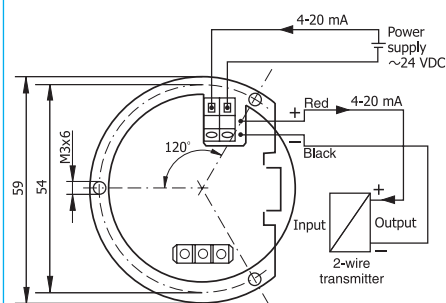As an option, LCD-H20 can be delivered mounted in a connection head.

- Installation directly in a 4-20 mA loop without need for power supply
- 2.5 V voltage drop
- High-contrast, 4-digit LCD display with 12 mm digits
- Simple pushbutton scaling without reference signal
- Any range between -1999 to 9999 for 4 to 20 mA input
- Labels for different engineering units are included
- Typical accuracy of 0.1 % allows for high precision read-outs
- HART transparent
- Designed for ambient temperatures between -20 to +70 °C /-4 to +158 °F
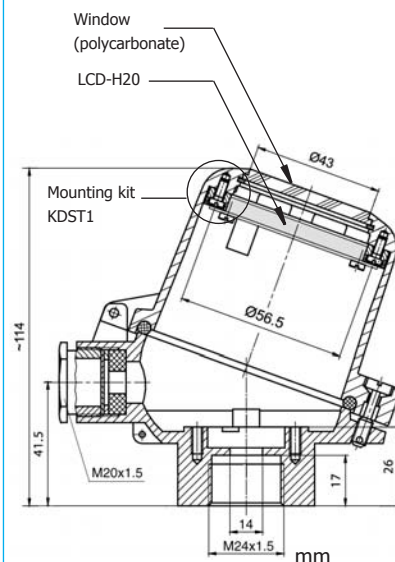- Protection IP 65 when mounted in connection head type DANAWdia

## Specifications:

| | |
|---|---|
| **Input Current** | 4 - 20 mA |
| Operating range | 3.8 - 22 mA |
| **Voltage drop** | 2.5 V |
| **Indication** | |
| Display | Black LCD with 4 digits incl. minus sign |
| Digit Height | 12 mm |
| Indication range | Any range between -1999 to 9999 |
| Decimals | Selectable, 0 to 3 |
| Engineering units | Set of labels included (including blanks) |
| **Response time** | Adjustable 0.25 s to 2 s |
| **Scale setting** | 3 pushbuttons |
| **Operating temperature** | -20 to +70 °C / -4 to +158 °F |
| **Typical accuracy** | ±0.1 % of programmed span ±1 digit |
| **Dimensions** | Diameter 59 mm, thickness 20 mm |
| **Protection** | IP 20 (IP 65 in connection head) |
| **Connection** | Stranded, ≤ 1 mm², AWG 16 |
| **Mounting** | Connection head type DANAWdia with mounting kit KDST1 |

## Connections/Dimensions Indicator



mm

## Dimensions connection head



Window (polycarbonate)
LCD-H20
Mounting kit KDST1

mm

## Ordering information

| | |
|---|---|
| LCD-H20 indicator only | 70LCDH2001 |
| LCD-H20 in connection head DANAWdia | 70LCDH2011 |
| Configuration | 70CAL00001 |

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