

LCD-W110



Loop Powered LCD Indicator with backlight for field mounting



LCD-W110 is a digital indicator with backlight for installation directly in a 4-20 mA loop without need for external power. The backlight makes it easy to read and LCD-W110 comes with a high contrast LCD display. The indicator is designed for field mounting on wall, pipe or DIN rail and have a rugged and splash proof housing. The scale is easily programmable with push buttons or via NFC communication using the app INOR Connect. A temperature transmitter can be integrated for direct sensor input.

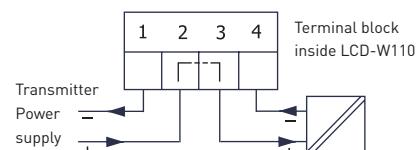
LCD-W110

- High contrast, 4-digit LCD display with 17.8 mm / 0.7" digits
- Installation directly in a 4-20 mA loop without need for separate power supply
- Loop powered backlight
- Simple scaling with push buttons or NFC communication
- Any range between -1999 to 9999 for 4 to 20 mA input
- Labels for different engineering units are included
- Typical accuracy of 0.05 % allows for high precision read-outs
- HART transparent
- Integrated transmitter as added option
- Field mounting in rugged IP65 / NEMA 4X housing with double cable conduits
- Stores max and min value

Specifications:

Input Current	4-20 mA
Maximum current	30 mA
Minimum current for operation	-3.5 mA
Voltage drop	4.2 V
Indication	
Display	7-segment black LCD with clear background
Backlight	White LED powered from the 4-20 mA loop
Indication range	4 digits [-1999 to 9999]
Digit height	17.8 mm / 0.7"
Decimals	Selectable, 0 to 3
Under range / Over range	Flashing symbols Lo (I < 3.6 mA) / HI (I > 21.0 mA)
Engineering units	Set of self-adhesive labels included for units: °C, °F, mA, mV, V, bar, mbar, Pa, kPa, MPa, pH, %, s, ms, µs, mm, cm, m
Response time	Appr. 1 s Power on delay: 5 s and stable after 1 min
Temperature influence	≤ ±0.01 % FS / °C
Configuration method	3 push buttons or NFC, located on the rear of the display
Operation temperature	-20 to +70 °C / -4 to +158 °F
Typical accuracy	±0.05% of span ±1 digit
Dimensions	80 x 110 x 65 mm / 3.15 x 4.33 x 2.56"
Protection	IP65 / NEMA 4X
Connections	Push-in spring connection, Wire cross section 0.25 mm ² -1.5 mm ² AWG 24-16
Cable entries	2x cable glands M20x1.5 for cable diameter 5-13 mm (0.20-0.51") (1x blanking plug included)
NAMUR NE 43 compliance	Yes
HART transparent	Yes
Mounting	Wall, 35 mm DIN rail acc. to EN 60715 or 50-65 mm (2-2.55") pipe with mounting kit

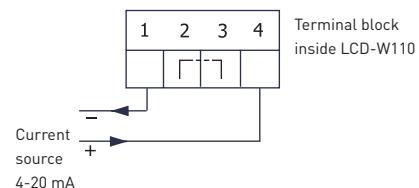
Connections



Terminal block
inside LCD-W110

Transmitter
Power
supply

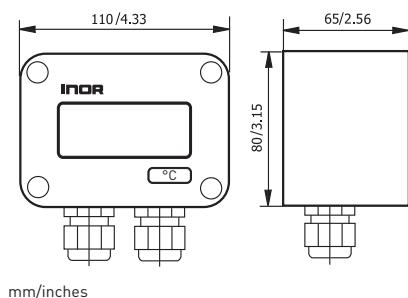
Internal or external
2-wire transmitter
(4-20 mA)



Terminal block
inside LCD-W110

Current
source
4-20 mA

Dimensions



mm/inches

Ordering information

LCD-W110	70LCDW1102
Pipe mounting kit	70ADA00021
DIN-Rail mounting kit	70ADA00022
In-head transmitter mounting kit	70ADA00024