LCD-H210

Digital Loop Powered LCD Indicator Integrated into a Connection Head

CE 5 YEAR WARRANTY NFC

LCD-H210 is a digital loop powered LCD indicator integrated into a sensor connection head with window. The LCD indicator is installed directly in a 4-20 mA loop without need for external power supply and the sensor connection head is designed to be fitted to a temperature sensor.
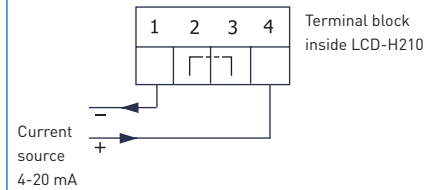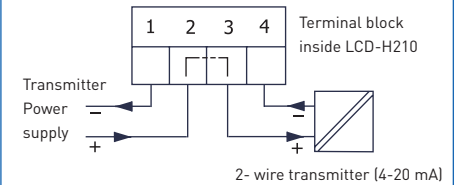
A typical application is to use LCD-H210 fitted to a temperature sensor and connected to the 4-20 mA loop from a 2-wire temperature transmitter for local view of the measured temperature. The indicator is equipped with a high-contrast, easy-to-read 4-digit LCD display with backlight for easy reading of the process value.

* High contrast, 4-digit LCD display with 8.9 mm / 0.35" digit height
* Loop powered backlight
* Any range between -1999 to 9999 for 4 to 20 mA input
* HART transparent
* Aluminum connection head with window
* Type DIN B head mounted 2-wire transmitter can be integrated
* Designed for installation on a temperature sensor
* High accuracy allows for high precision read-outs
* Customized versions on request
* LCD-H210 can be ordered pre-fitted to a temperature sensor, with a built-in temperature transmitter and in customized versions on request
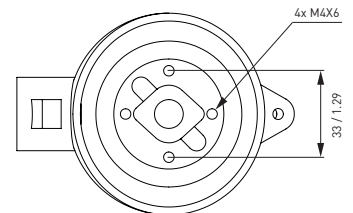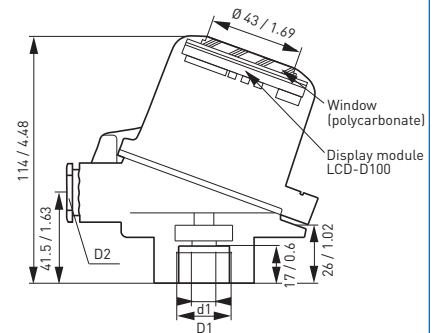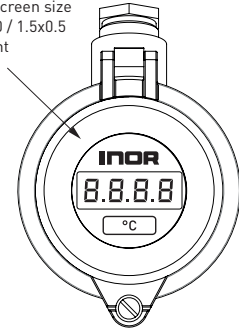
Electrical connections to the indicator

Terminal block inside LCD-H210

Transmitter Power supply

2- wire transmitter (4-20 mA)

Terminal block inside LCD-H210

Current source 4-20 mA

Dimensions connection head

Display screen size 39.5x14.0 / 1.5x0.5
Digit hight 8.9 / 0.35

Window (polycarbonate)

Display module LCD-D100

Ø 43 / 1.69

114 / 4.48

41.5 / 1.63

D2

17 / 0.6

26 / 1.02

d1
D1

4x M4X6

33 / 1.29

mm / inch

Specifications:

Display module	
Type	INOR model LCD-D100
Input Current	4-20 mA
Maximum current	30 mA
Minimum current for operation	~3.5 mA
Voltage drop	4.5 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	8.89 mm / 0.35"
Decimals	Selectable, 0 to 3
Display rotation possibility	180°
Underrange / Overrange	Flashing symbols Lo (I ≤ 3.6 mA) / HI (I ≥ 21.0 mA)
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
Typical accuracy	±0.05% of span ±1 digit
Operation temperature	-20 to +70 °C / -4 to +158 °F
NAMUR NE 43 compliance	Yes
HART transparent	Yes
Electrical connection	Push-in spring connections, Wire cross section 0.25 mm²-1.5 mm²
Connection head	
Type	INOR model BUZ-HW
Material of body / window	Aluminium pressure die-casting / Polycarbonate
Cable gland thread D2	M20x1.5
Process connection thread D1 / Hole d1	M24x1.5 / Ø14 mm
Paint type/colour	Polyester/white aluminium (RAL 9006)
Protection class	Up to IP65 (depending on applied cable gland and sealing)

Ordering information

LCD-H210	70LCDH2101
LCD-H210 - Customized	On request
LCD-D100 - Display module only*	70D1000001

See the LCD-H210 manual for more information

INOR