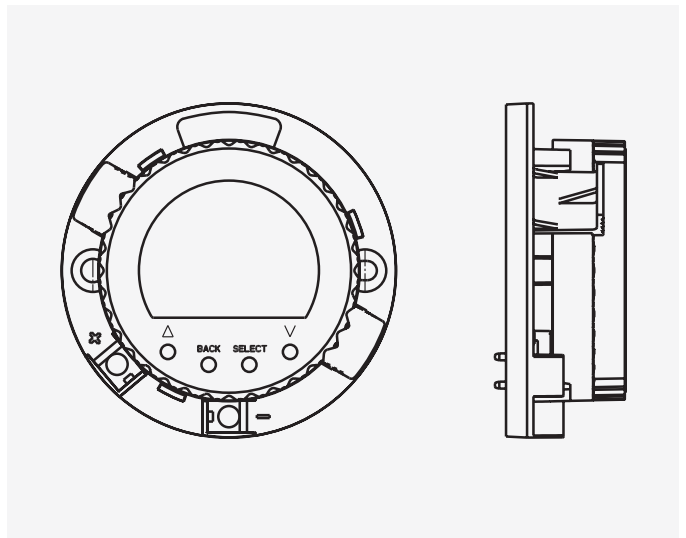


HBS16004X

LCD Loop Powered Indicator

Indicators



The HBS16004X is a loop powered LCD indicator. Powered by the current loop, the HBS16004X indicates the process value and in addition offers superimposed HART® communication between the connected transmitter and the control room. The indication range and units are automatically adopted dependent on the settings of the connected HART® transmitter. Min and Max process values can also be displayed.

Environmental Conditions

Ambient Storage Temperature	(-20 to +85) °C
Storage Temperature	(-40 to +85) °C
Humidity 35 ... 85 %	RH (non-condensing)
Vibration resistance	3 g, per DIN EN 60068-2-6
Shock resistance	30 g, per DIN EN 60068-2-27

Mechanical Specifications

Dimensions	Ø78mm x 28mm
Weight approx	80g

Common Specifications

Measuring rate	4s
Accuracy	±0.1 % of the measuring span
Temperature coefficient	±0.1 % of the measuring span / 10 K
Input signal	4...20 mA
Output signal	analogue current signal is connected through directly
Permissible current load	100 mA
Voltage drop	< DC 3 V (< DC 2 V at 20 mA); supply via current loop

Display Specifications

Display	LCD, rotatable in 10° steps
Measured value	7-segment LCD, 5-digits, character size 9 mm
Bar graph	20-segment LCD
Information line	14-segment LCD, 6-digit, character size 5.5 mm
Indication range	-9999 ... 99999

Approval

IECEX
FM
CSA
GOST-R
GOST