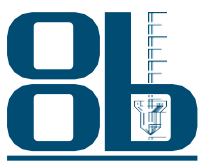




MAGNETOSTRICTIVE LEVEL TRANSMITTER



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DESCRIPTION:

The level transmitter is mounted on the outside of the bypass, and picks up the magnetic field and delivers the level inside the bypass, without any contact with the liquid. It can come with a high-pressure housing.

TECHNICAL DATA

Probe head	
Protection class	IP68
Material	Standard: Stainless Steel 316
Cable connection	M16 x 1.5 cable gland for cable diameter 5 to 10 mm; optional: ½" NPT for conduit connection; M12 connector
Ambient temperature	- 40 °C to + 85 °C
Probe tube	
Material	Standard: Stainless Steel 316
Diameter	12 mm
Length	200 mm to 6,000 mm Highest-temperature versions up to 3,000 mm
Accuracy	
Fill level	Depending on bypass float, down to ± 0.5 mm
Resolution	0.1 mm
Electrical connection	
Connection	2-wire
Voltage	8 to 30 VDC, Ex-version 10 to 30 VDC
Binary signal	Current output: 4 to 20 mA; optional: HART®
HART® functions	Float position in mm, cm, m, inches or feet; sensorstatus-information
Approvals	Optional: ATEX, approval
Process conditions	
Temperature	Normal temperature (NT): - 40 °C to + 125 °C High temperature (HT): - 40 °C to + 250 °C Other on request
Options	Material and calibration certificate

HIGH PRESSURE HOUSING

Pressure resistant encapsulated housing with safety barriers for connecting sensors without an Ex separator. The output signal can be shown in percentage unit at the optional display.

APPLICATION

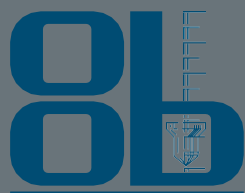
The pressure resistant housing (explosion proof protection: Ex d) can be used for all applications if no intrinsically safe power supply is available for 4/20 mA sensors. An integrated safety barrier allows the connection of sensors (protection classification Ex ia/ib) in the ex-zone directly to the pressure housing.

In addition, the pressure housing can be equipped with a digital display that can be adjusted individually to face a number of directions, facilitating its reading.



TECHNICAL DATA

Dimensions without cable glands and connection unit:	Ø 95 x H 71 [mm] with Display Ø 95 x H 66 [mm] without Display
Ambient temperature:	-40 °C to +85 °C
Protection class:	IP68
Supply:	14...27 V with Display 17... 30 V without Display
Voltage drop:	≤ 4 V without display ≤ 7 V with display
Accuracy:	0,1 % (4...20 mA)
Display:	3-digit display, 7 segments Bright LED Display, 10 mm 0,0 % [4 mA] ... 100 % (20 mA)
Display range:	- 9,9 % ... +199 %
Output signal:	4...20 mA
Suitable for Ex-Zone 1 (ATEX, Approvals)	



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