

IsoLance – Magnetic Level Transmitter for Level Gauge for Sampling cylinder



Description:

The model reed sensors BLR are used for continuous monitoring and recording of the liquid level in connection with transmitters. They work on the float principle with magnetic transmission (permanent magnet, reed switch and resistance measuring chain) in a 3-wire potentiometer circuit.

A magnetic system built into the float actuates reed contacts, through the walls of the bypass chamber and the sensor tube, in a resistance measuring chain (potentiometer). The measurement voltage generated by this is proportional to the fill level.

The resistance measuring chain is made up from reed contacts and resistors soldered onto a PCB. Depending on requirements and design several different contact separations from 5 to 18 mm available.

For selecting the optimum sensor (sensor model, connection housing, electrical connection, sensor tube, material and total length) contact separation, head-mounted transmitter, measuring range, approval) we offer application-related technical advice.

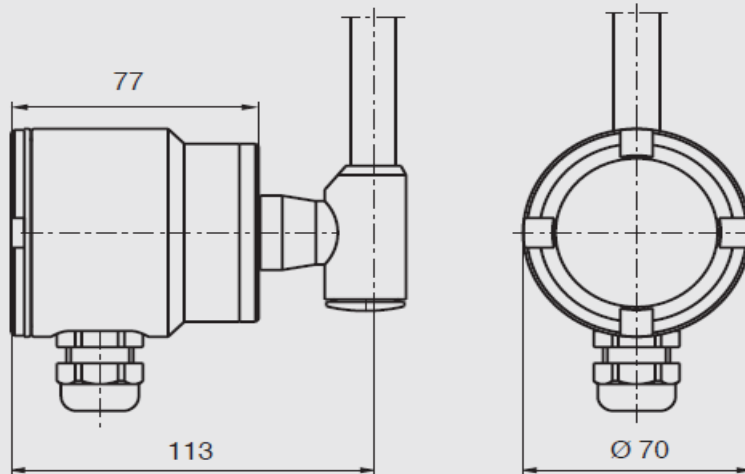
Cylinder is supplied with a magnet inside piston and the Magnetic Level Transmitter will follow and read the signal from the movement of the piston in the cylinder. The Magnetic Level Transmitter to be made in the length of each cylinder type and can be used from 500 cc to 25 L cylinders with piston inside.

Overview Details

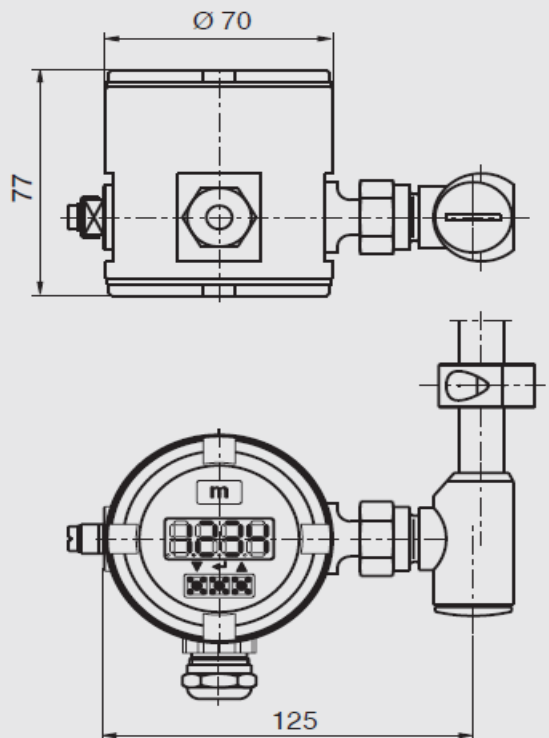
Approval:	Ex I; KEMA 01 ATEX1052 x /II 2G Ex ia IIC T4...T6Gb
Material:	Stainless Steel 316 Ti (DIN 1.4571)
Housing:	Stainless Steel IP66/68 M20 x 1,5 mm with cable gland
Head output transmitter:	T32 -2 wire Ex I Hart programmable
Output signal:	4-20 mA Superimposed with Hart® Protocol communication
Housing location:	Bottom mounted angled
100% level position (L1):	TBA
0% level position:	0 mm
Measuring range:	TBA
Sensor tube length:	TBA
Contact separation:	10 mm
Weight:	1,3 kg at length 472mm

IsoLance – Magnetic Level Transmitter for Level Gauge for Sampling cylinder











Stainless steel connection housing



Stainless steel connection housing with digital indicator (option)



IsoLance – Magnetic Level Transmitter for Level Gauge for Sampling cylinder

Logo	Description	Country
	EU declaration of conformity <ul style="list-style-type: none"> ■ EMC directive EN 61326 emission (group 1, class B) and interference immunity (industrial application) ■ RoHS directive ■ ATEX directive (option) Hazardous areas - Ex i II 2G Ex ia IIC T4 ... T6 Gb or II 2G Ex ib IIC T4 ... T6 Gb or II 2D Ex ib IIIC T80 °C Db No. KEMA 01 ATEX 1052 X - Ex d II 2G Ex d IIC T6 Gb or II 2D Ex tb IIIC T80 °C Db No. TÜV 13 ATEX 7399 X 	European Union
		
	IECEx (option) Hazardous areas - Ex d Zone 1/2 -40 °C ≤ Ta ≤ +55 °C Ex d IIC T6 Ex tD A21 IP65 T80 °C No. IECEx TUR 09.0002X	International
	EAC <ul style="list-style-type: none"> ■ EMC directive No. TC N RU 4-DE.A301.B.00820 ■ Hazardous areas No. RU C-DE.Г508.B.01489 	Eurasian Economic Community
	GOST Metrology, measurement technology No. 19359	Russia
	KazInMetr Metrology, measurement technology No. 13947	Kazakhstan
	BelGIM Metrology, measurement technology No. 9711	Belarus
	UkrSEPRO Metrology, measurement technology No. UA-MI/2-4988-2015	Ukraine
	Uzstandard Metrology, measurement technology No. 02.6649	Uzbekistan
-	PESO Hazardous areas No. P331149/1	India
	DNV GL Ships, shipbuilding No. TAA00000M2	International