

## LEVEL TRANSMITTER 4-20 MA - TL SERIES

### DESCRIPTION

The probe permits the transmission of the level to a remote indicator, through a 4-20 mA signal, linear and proportional to the center to center distance connection.

The probe can be mounted on a 2000 or 2000T series level indicator and it's not in contact with the process fluid.

It is composed by a series of reed contacts, inserted in a stainless steel tube and connected to a converter inside the housing.

The magnet inside the float of the 2000 or 2000T series level indicator, close one of the different reed contacts in the probe, which, being connected to a resistance chain, determine a variation of the total resistive value of the chain.

In this way the level is changed into a resistance variation, that, afterwards, is changed into a linear signal 4-20 mA, proportional to the field of the series level indicator.

### CHARACTERISTICS

Output	: 4-20 mA (two wires)
Power supply	: 10 to 32 Vdc (28Vdc x EExi)
Max. current	: 25 mA

Zero and full scale regulation programmable by PC through a dedicate software; the request values are setting in our shop. The software can be supplied on request.

Ambient temperature : -20 °C to +70 °C  
on request : -40°C to +85°C

Center to center distance : 4000 mm Max.

Resolution : 10 mm

### WATER PROOF HOUSING

Material	: Aluminium
Electrical connect.	: ø 1/2" GAS-F
Accessories on request	: Cable gland
Protection degree	: IP66
Code	: N (std employment)
	: EX (EExi employment)
	: HR (HART® protocol)
	: HX (HART® protocol+EExi)
	: EXD (Exd employment)

It is available the version for employment in ambient with explosion danger, trough a probe certificated.

### CERTIFICATES

EX:	KEMA 03 ATEX 1538X II 1/2 GD Eex ia IIC T6
HX:	KEMA 03 ATEX 1537X II 1/2 GD Eex ia IIC T6
EXD:	INERIS 06 ATEX 0051 II 1/2 GD Ex d IIC T6

### HOW TO ORDER

Example: TL.200.N	: TL=series
	: 200=range lenght in mm
	: N=std housing

