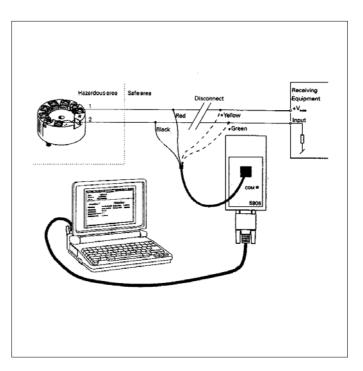
OFFICINE OROBICHE

TRANSMITTERS for flowmeters series TMN/TMG

PRINCIPLE OF OPERATION

The transmitters is composed by an angular converter and by an electronic circuit that furnishes a signal 4/20 mA proportional to the course of the flowmeter.

The converter directly mounted on the pole index of the flowmeter, furnishes the move of the index to the electronic circuit (the move is function of the course of the flowmeter).



CHARACTERISTICS TECHNIQUES

Туре	two wires
Power supply	10÷35 Vdc (28 Vdc max per Exia)
Output signal	4÷20 mA (20÷4 mA if required)
Max load resistance	ohm (Vdc-8)/0.023
Ambient temperature range	-40 ÷ +85°C
Precision	" ±1.6% FS
Linearity	" ±0.3% FS
Hysteresis	" ±0.3% FS
Repeatability	" ±0.5% FS
Effect of power	" ±0.005% FS/Vdc
Temperature effect	" ±0.02% FS/°C
Maximum output signal	23 m
Output signal (with breakdown)	" 3.6 mA (NAMUR NE 43)
Time of answer "	~1.5s
Electric connection	PG11 (other to application)
Protection category	IP65 (if required) Exia IIC T4/T6
Configurable by	programmable by PC HART®

HART programming accessories: With a standard HART[®] communicator programming the 5335 is made easy and universal. The HART[®] communicator must be loaded with the appropriate DDL driver for PRetop 5335. The driver can be obtained from HART[®] Communication Foundation or by contacting PR electronics for help getting online with PRetop 5335. Receiving (Ex) Equipment Safe area area +V Input R load Î minimum 250 Ω J Minimum loop resistance is 250 Ohm If the receiving equipment has a lowe resistance, a serial resistor must be inserted to communicate with the HART® communicator.