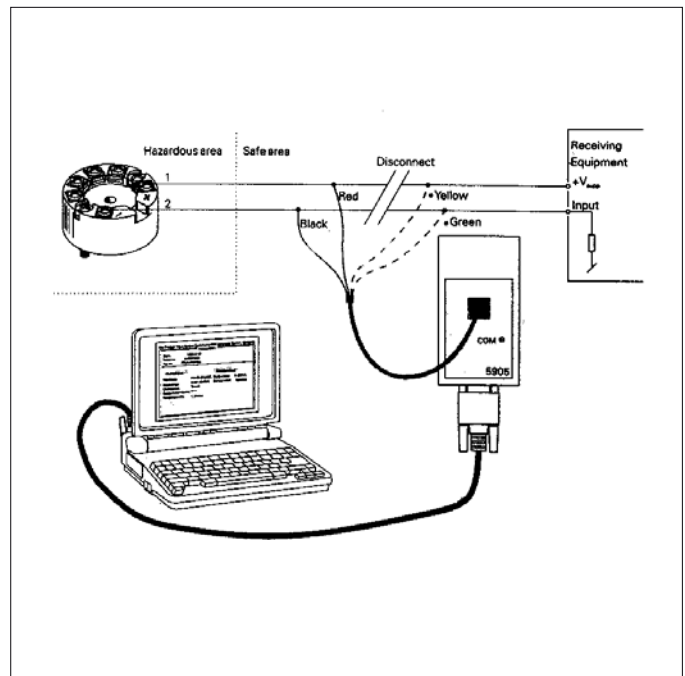


TRANSMITTERS for flowmeters series TMN/TMG

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

Type	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 mA
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®

