



MP

Pressure transmitter for wells

ELECTRONIC EQUIPMENT

ACOUSTIC

WEIGHING

ANTI-TILTING

VALVES

TEMPERATURE

DETECT A FIRE®

FLOW/ RATE

DENSITY

INTERFACE

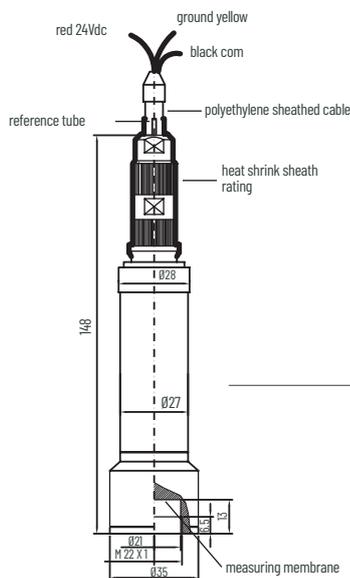
PRESSURE

LEVEL

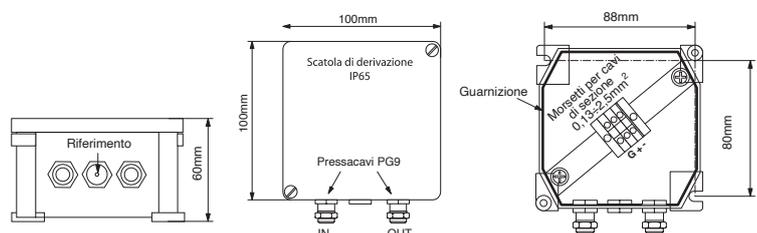
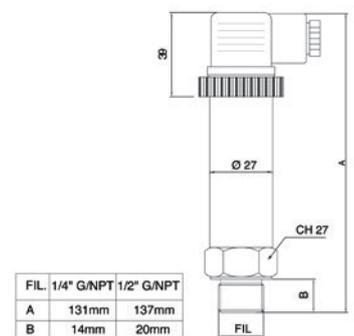
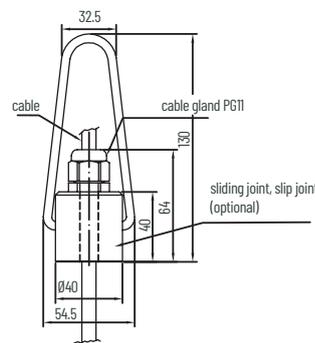


MP72 - 4/20mA + Hart

The pressure transmitters made by Terry Ferraris are based on the load cell operating principle. The main uses are in boreholes for measuring the hydraulic flap, on dams or wherever a level reading is needed at great depth. The dimensions of the sensors are extremely small and the reliability, precision and ease of installation are the best that can be found in the pressure transmitter sector today. MP sensors are also particularly useful in those applications where frequent relocation is required. The cables used and the sensor are sized to withstand use in particularly difficult conditions, where robustness, vibration inference, shock and abrasion resistance are required (e.g. oil platforms, environments with frequent atmospheric discharges, etc.). Temperature drift is extremely low and is compensated for. The cable is shielded and has a barometric compensation tube in the measuring cell used to compensate for any changes in ambient pressure. The measuring ranges cover pressures or heads up to 33 bar. The high permissible impedances guarantee the rejection of disturbances in the measurement. A comprehensive summary of the performance and quality of the products covered.



MP27E - Minimo: 0 ÷ 4m



Technical specifications

Model	Submersible level transmitters						Flush diaphragm pressure transmitters			
	MP27...C	MP72 Program.	MP27...A	MP27...E	MP27...B	MP18	TX27	TX27	TXLC	
Membrane material	AISI 316	AISI 316	AISI 316	Ceramica	Ceramica	AISI 316	Ceramica	AISI 316	AISI 316	
Minimum full scale (20mA)	-	-	0 ÷ 2m	0 ÷ 4m	0 ÷ 5m	0 ÷ 2m	0.5Bar, 5m	0.05Bar, 0,5m	1Bar, 10m	
Outlet	4 ÷ 20mA (2 wire)									
Power supply	-			11 ÷ 30Vcc			11 ÷ 30Vcc			
Body material	AISI 316						AISI 303L (1.4305)			
Wet parts	AISI 316						AISI 316 (1.4401)			
Body diameter	ø 25 mm	ø 25 mm	ø 28 mm	ø 35 mm	ø 28 mm	ø 18 mm	ø 27 mm	ø 27 mm	ø 22 mm	
Gasket material	F K M VITON									
Protection	IP 68									
Accuracy Certification	0.25% FS									
	CE									
ATEX Certification	optional					not available		optional		not available
Membrane protection	unscrewable perforated cap									
Outgoing cable	self-supporting twisted and shielded polyethylene cable with atmospheric reference tube						-			
Electrical connections	N.A.						PG 9 connector DIN 43650 (IP 65)			
Process connection	N.A.						1/2" GAS - M			
NOTES	<p>ACCESSORIES:</p> <p>A) treated steel hook with mopen body for cable fixing via cable gland suitable for open tanks</p> <p>B) threaded fitting 1 1/2" G - M for cable fixing suitable for closed tanks</p> <p>C) IP 65 aluminium junction box for wall mounting with internally mounted filter pressure equalization and terminal box</p>						<p>Calibration range</p> <p>TX27 series - calibration range must be indicated when ordering, maximum 0 to 100Bar (for higher pressures ask)</p> <p>TXLC series - the calibration range must be chosen from the following: 0 ÷ 1Bar, 0 ÷ 2.5Bar, 0 ÷ 4Bar, 0 ÷ 6Bar 0 ÷ 10Bar, 0 ÷ 16Bar, 0 ÷ 20Bar, 0 ÷ 25Bar 0 ÷ 30Bar, 0 ÷ 40 Bar, 0 ÷ 60Bar, 0 ÷ 100Bar</p>			



Anti-vortex sockets



Electrical connection 1.2" NPT - M



Joining kit



Piezometric enclosures



Anti-vortex sockets



Suspension cable



Anti-obstruction



1/4" NPT connection - M



Anti-fouling protection



Protection against lightning



48 x 96 indicator



Fastening bracket



L-shaped fixing bracket