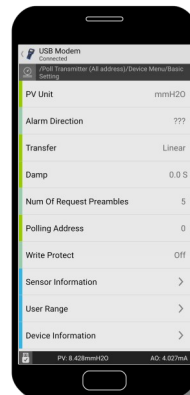


HYDROSTATIC LEVEL TRANSMITTER

AI.HydroLT - SPECIAL




INTRODUCTION

AI.HydroLT-SPECIAL is the ideal solution for level measurement of corrosive and acids liquids. The body in PVDF or Polypropylene and the ceramic membrane guarantee excellent measurement and repeatability over time. The level is especially used in the chemical industry for the level measurement of acids and similar and in the nautical industry for the measurement of grey water, black water, sewage and similar. The type of body prevents deposits, keeping the sensor and the ceramic membrane always clean and without residue.

FEATURES

- IP68 sensor protection
- Ideal solution for level measurement of liquids in tanks
- Compact execution, programmable measurement range
- BC IP65 connection box
- Capacitive ceramic pressure sensor
- Many possibilities of use, suitable for different types of aggressive fluids
- Main markets of use: naval, industrial, aqueduct, chemical and much more
- Connection via HART Protocol and programmable via Modem + Smartphone App

MARINE TYPE APPROVAL

Register	Description	Country
	RINA Naval, Ships buildings Certificate N. ELE029122CS	International

TECHNICAL SPECIFICATIONS

- IP68 protection
- Accuracy: 0,25 % FS
- Stability: $\pm 0.2\%$ FS/year
- Compensation temp.: -10°C ~70°C
- Operation temp.: -10 ~ 70 °C
- Storage temp.: -20 ~ 85 °C
- Supply: 12 ~ 30VDC
- Output: 4 ~ 20mADC (2 wire)/4-20mADC (2 wire) Hart

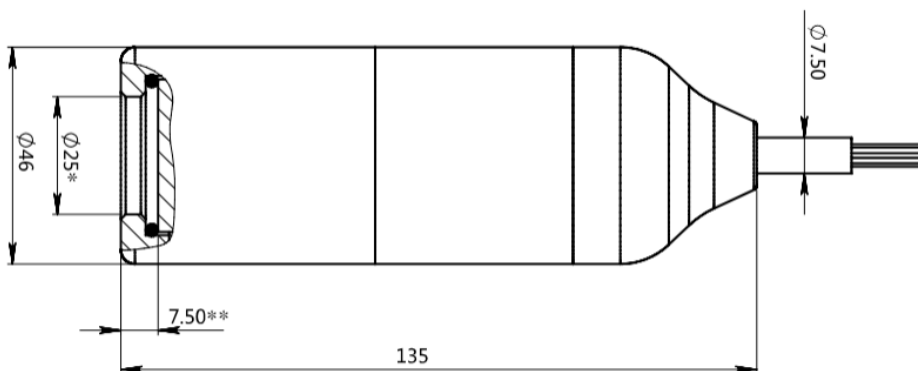
Range di misura	3.5	7	10	20	35	50
Sovrappressione	5	10	15	30	50	70

CONSTRUCTION MATERIALS

- Housing: PVDF or PP
- O-ring: FKM
- Seal: Viton
- Cable: PUR $\phi 7,5$ mm
- Diaphragm: Ceramic

DIMENSIONS

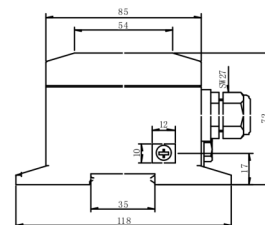
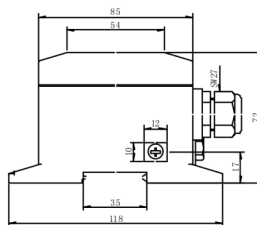
- *Diameter of diaphragm
- **Distance from sensing diaphragm to the bottom



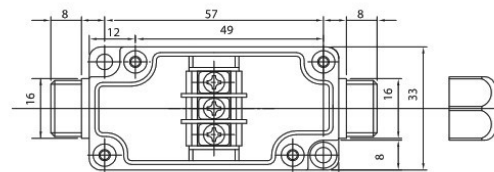
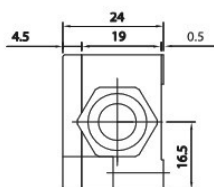
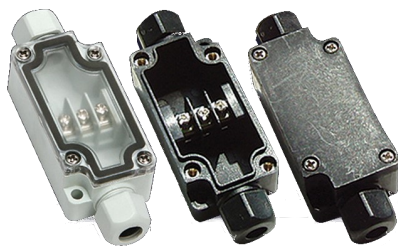
BC - BOX CONNECTION

- IP65 protection
- Material: PBT plastic highly resistant to external humidity and accidental impacts
- Possibility of wall or Omega bar mounting
- Complete with terminal block for connection to the AI.HydroLT-SPECIAL level transmitter
- Including cable glands

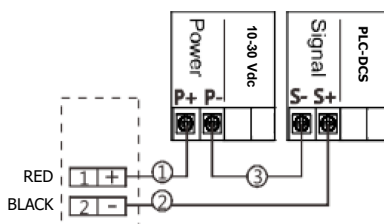
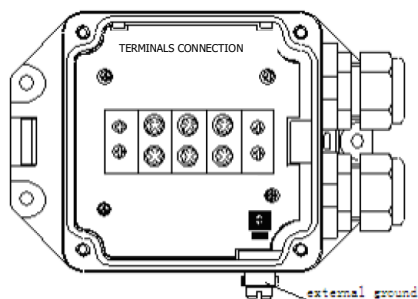
TYPE 1



TYPE 2

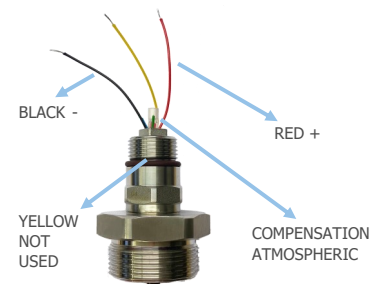
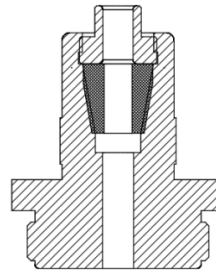
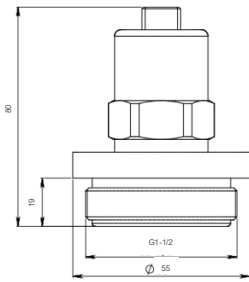
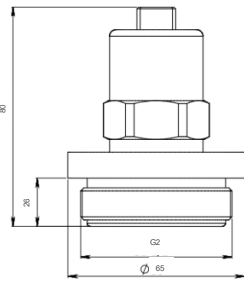


ELECTRICAL CONNECTION



WIRE	CONNECTION
RED	+V
BLACK	0V/+OUT

PROCESS CONNECTION (unit mm)



ORDER CODE

AI.HydroLT-SPECIAL	Hydrostatic Level Transmitter		
	Range mH2O		
	0-1/ 0-2/ 0-5/ 0-10/ 0-20/ 0-50		
	Cable Length (PUR Material)		
	1: Standard 5m/ 2: Xm		
	Output		
	mA: 4-20 mADC / mA: 4-20 mADC Hart		
	Material		
	Diaphragm	Pressure Port	Housing
PV	Ceramic	Ceramic	PVDF
PP	Ceramic	Ceramic	PP
	Process connection		
F1: flanged connection 2" ANSI 150rf	F1: DN50/PN16 (specify PN)		
F2: flanged connection 2"1/2 ANSI 150rf	F3: DN65/PN16 (specify PN)		
F4: flanged connection 3" ANSI 150rf	F5: DN80/PN16 (specify PN)		
F6: flanged connection 4" ANSI 150rf	F7: DN100/PN16 (specify PN)		
G0: without threaded connection			
G1: threaded connection adjustable cable 1 1/2" GAS male			
G2: threaded connection adjustable cable 2" GAS male			
O: option to be agreed			
	BC - BOX CONNECTION		
0: no			
1: type 1			
2: type 2			

Nota: the **G1** option, 1 1/2 "GAS male adjustable cable threaded connection, is suggested with a flange and counter-flange to the top of the tank.

	Range	Cable length	Output	Material	Others	BC
AI.HydroLT-SPECIAL	0-1mH2O	1: standard 5m	mA	PV	BC	G F3 1

Example order code:

Description Code:

Hydrostatic Level Transmitter Model AI.HydroLT- SPECIAL

0-1mH2O: Range

1: Cable length standard 5m

mA: Output 4-20mADC, 2 wire

PV: Material Diaphragm ceramic, Pressure Port ceramic, Housing PVDF

BC: Connection Box IP65

G1: threaded connection adjustable cable 1" 1/2

F3: Flanged connection DN50 / PN16 with 1"1/2 GAS female threaded central hole, for mounting threaded connection cable

1: Box Connection Type 1

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Le caratteristiche dichiarate possono cambiare senza alcun preavviso



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Company with
Certificate of Quality
System ISO 9001:2015
Cert n°38785/19/S