



POSEIDON 3000 SERIES

PRESSURE - LEVEL TRANSMITTER



- The Poseidon 3000 series pressure – level transmitter is a system designed to be used in most industrial applications, for pressure and tank level measurement.
- The system consists of a sensor and a separate amplifier unit.
- It is capable of measurements both on gases, vapors and liquids.
- Poseidon series transmitters are always calibrated according to customer needs with the calibration report included in the packaging.


FEATURES

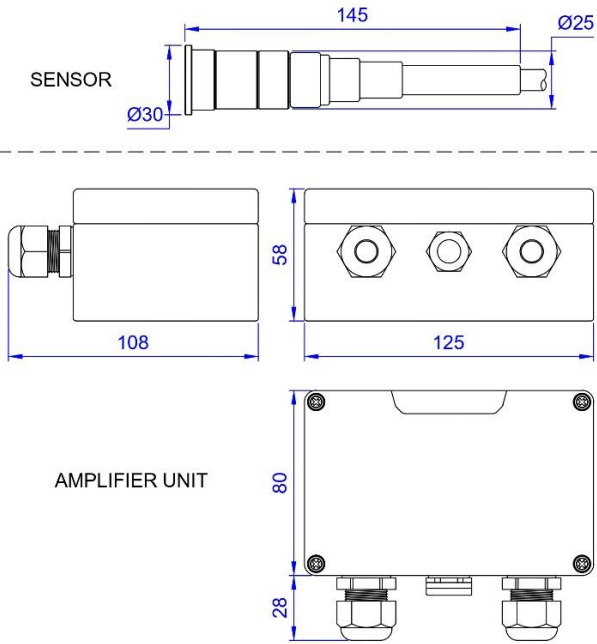
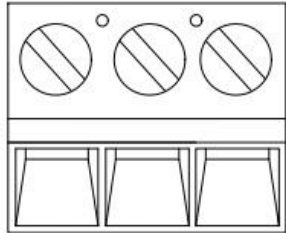
- Submersible
- Marine grade stainless steel housing and sensor diaphragm
- Aluminium alloy amplifier unit housing
- Cable length on demand up to 100 m
- Gauge and absolute measuring
- High accuracy
- Electrical connection: Terminal block
- 10-28 VDC operating voltage
- 4-20 mA output signal
- Process connection options: BSP G 1/4", 1/2", 3/4", 1", Filter, Ø 30
- CE marked
- IECEx and ATEX approved

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TECHNICAL SPECIFICATIONS	
Power supply:	10-28 VDC (Reverse voltage protection)
Measuring range (Gauge):	Up to 35 Bar (0.15 Bar min. SPAN setup)
Measuring range (Absolute):	Up to 35 Bar (0.5 Bar min. SPAN setup)
Negative pressure capability:	Up to -1 Bar (0.5 Bar min. SPAN setup)
Accuracy:	± 0.25% FS at 20°C
Total error band:	± 0.1% FS / °C
Output signal:	2 wire 4-20 mA current loop (Adjustable)
Media temperature:	-20 °C...+85 °C
Storage temperature:	-20 °C...+60 °C
MATERIALS	
Sensor housing:	AISI 316L Stainless steel (1.4404)
Sensor diaphragm:	AISI 316L Stainless steel (1.4435)
Sensor filling liquid:	Silicon oil
Cable:	PVC (Cable jacket), PA (Ventilation tube)
Amplifier unit housing:	Aluminum alloy
MISCELLANEOUS	
Protection class:	IP 68 (Sensor), IP 66 (Amplifier unit)
Installation position:	Any
Intrinsic safety marking:	Ex ia IIC T4 Ga  II 1 G

DIMENSIONS	ELECTRICAL CONNECTION
 <p>SENSOR</p> <p>AMPLIFIER UNIT</p>	 <p>VDC + VDC - GND</p> <p>FOR INTRINSICALLY SAFE INSTALLATIONS, THE AMPLIFIER UNIT'S 10-28 VDC POWER, SHOULD ALWAYS BE SUPPLIED, FROM AN IECEx/ATEX APPROVED ZENER BARRIER.</p>