POSEIDON 3300

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.

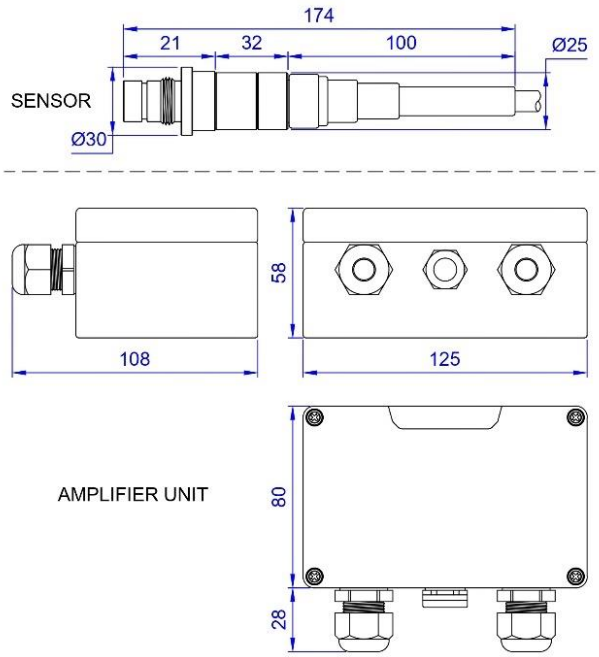
FEATURES
▪ Submersible
▪ Marine grade stainless steel housing and sensor diaphragm
▪ Aluminium alloy amplifier unit housing
▪ Cable length on demand up to 100 m
▪ Gauge and absolute measuring
▪ High accuracy
▪ Electrical connection: Terminal block
▪ 10-28 VDC operating voltage
▪ 4-20 mA output signal
▪ Process connection: M 21x1.5 Adaptor
▪ Process connection option: Accompanying fixing gland (BSP G 1” Female)
▪ CE marked
▪ IECEx and ATEX approved

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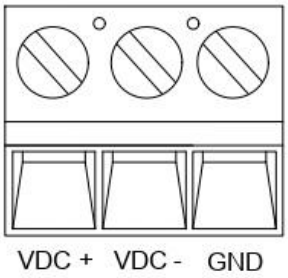
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TECHNICAL SPECIFICATIONS	
Power supply:	10-28 VDC (Reverse voltage protection)
Measuring range (Gauge):	Up to 35 Bar (0.15 Bar min. SPAN setup)
Measuring range (Absolute):	Up to 35 Bar (0.5 Bar min. SPAN setup)
Negative pressure capability:	Up to -1 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 Ⓔx II 1 G

DIMENSIONS



ELECTRICAL CONNECTION



FOR **INTRINSICALLY SAFE** INSTALLATIONS, THE AMPLIFIER UNIT'S **10-28 VDC** POWER, SHOULD **ALWAYS** BE SUPPLIED, FROM AN **IECEx/ATEX** APPROVED **ZENER BARRIER**.

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