

# SUBMERSIBLE LEVEL SENSOR/ TRANSMITTER



**A T E X**  
**M 1**  
GROUP I & II  
INTRINSICALLY  
SAFE



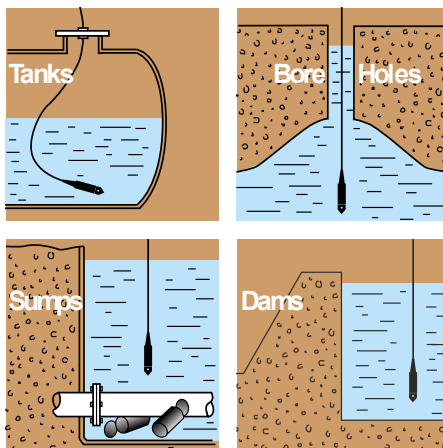
**submersible, hydrostatic,  
liquid level sensor for use in  
reservoirs, pumping stations,  
sumps, bore holes and tanks**

## robust

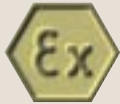
- Stainless steel, corrosion resistant housing.
- Heavy duty suspension cable with integral equalisation tube and strain cord.

## highly accurate

- Stainless steel pressure sensing element provides an exceptionally stable output signal with negligible zero drift and remarkable overpressure capability.
- The stainless steel material of the sensing capsule is completely resistant to the most chemically aggressive products.
- 4...20mA analogue output



**TUNNELS**  
•  
**MINING**  
•  
**RESERVOIRS**  
•  
**PUMPING  
INDUSTRY**



**ATEX  
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### technical details...

Ambient Temp. Limits: -20°...80°C (Sensor).

Sensing Principle: Piezo-resistive strain gauge.

Depth Measuring Ranges: 2.5, 5, 10, 20, 50, 100 metres.

Safe Over Pressure: 2 x measuring range.

Overall Accuracy: 0.25% of range.

Sensor Material: Stainless Steel.

Protection Classification: IP68 (submersible).

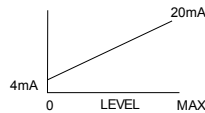
Electrical Connections: 4 core cable with vent tube and strain cord.

Maximum Suspended Length: 400 metres.

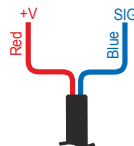
Supply Voltage: 15...30V dc (Group II and G.P.).

7...14V dc (Group I).

Output Signal: 4...20mA.  
2 wire precalibrated for the specific depth measuring range.



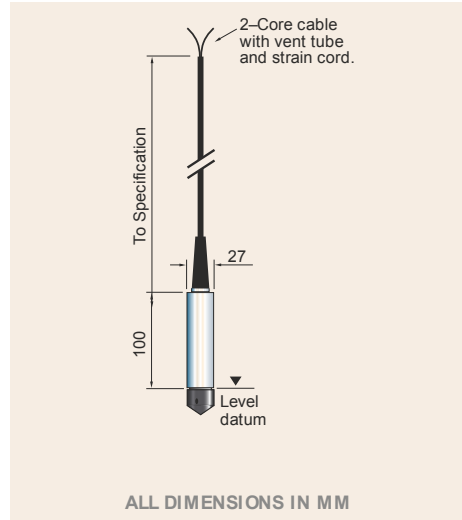
Connections:



Ex Certification: II 1 G EEx ia IIC T4.  
IM1 EEx ia I.



### dimensions...



### order reference...

**TX5814.01 SUBMERSIBLE LEVEL SENSOR/TRANSMITTER**

Precalibrated  
**GROUP I**

**TX5814.02 SUBMERSIBLE LEVEL SENSOR/TRANSMITTER**

Precalibrated  
**GROUP II**

**TX5814.03 SUBMERSIBLE LEVEL SENSOR/TRANSMITTER**

Precalibrated  
**GENERAL PURPOSE**



#### Please specify:

- Depth measuring range in metres. (2.5, 5, 10, 20, 50, 100, metres.)
- Cable length required. (Max = 400 metres).
- Type of liquid if NOT water (standard calibration: SG=1).

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