

# ECL 8438 Submersible Pressure Transmitter

The Submersible Pressure Transmitter ECL is based on Trafag's own thick-film-on-ceramic technology. Together with the inhouse developed high performance ASIC chip electronics it ensures a high level of accuracy over a wide temperature range.

- Good media compatibility
- Economical
- Cable PUR/PE or FEP
- Lightning protection integrated



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## Specifications

Applications:	Shipbuilding, Process technology, Water treatment
Category:	Pressure transmitters
Accuracy @ 25°C typ.:	± 0.3 % FS typ. Range 0 to 0.1, 0 to 0.4 bar: ± 0.5 % FS typ.
Measuring principle:	Thick film on ceramic
Approval / conformity:	GL, KRS
Vibration:	6G (25 to 2000 Hz)
NLH @ 25°C (BSL) typ.:	± 0.2 % FS typ. Range 0 to 0.1, 0 to 0.4 bar: ± 0.3 % FS typ.
Pressure connections:	Type 1 f, M 10×1, Type 2 m, M 22×1
Media temperature:	-25°C to +80°C (+70°C)
Shock:	50G/ 8 ms
Electrical connections:	Cable PUR/FEP/PE
Long term stability 1 year typ.:	± 0.2 % FS typ.
Ambient temperature:	-25°C to +80°C (+70°C)
Sensor:	Ceramic, Al <sub>2</sub> O <sub>3</sub> (96 %)
Protection:	IP68 (25 bar; 250m)
Output signal:	4 to 20 mA
TEB typ. @ -25 to +85°C:	± 1.0 % FS typ. Range 0 to 0.1, 0 to 0.4 bar: ± 2.0 % FS typ.
Measuring range:	0 to 0.1, 0 to 10 bar

