



Three-in-one level measurement sensor

Honeywell Marine's OptiLevel tank level measurement system is the best choice on small tanks for barge, sea-going and inland waterway vessels. The OptiLevel tank gauging system can be used for all applications in petroleum and petrochemical tanks. Based on capacitive sensing technology, it delivers high-accuracy level, bottom oil-water interface and temperature measurement in one self-contained sensor. No moving parts, maintenance free. OptiLevel comes with 316L stainless steel remote electronic box intended for deck installation and welded process mounting for LPG tank application. OptiLevel integrates perfectly with the Honeywell system and software for cargo, ballast and service tank monitoring.

OptiLevel - Technical Specifications

Technical Data

SENSOR:

Ranges: Level : 0,6 m to 5,8 m
Temperature: -20°C to +100°C

Oil-water interface detection: 250 mm from bottom.

Accuracy: Level: +/- 3mm
Temperature: +/- 1°C

Pressure operation: 1.5 bar(Standard version)
25 bar (LPG version)

Operating Temperatures: Product *: -20°C to +100°C
Ambient: -20°C to +60°C

* 60°C maximum in hazardous area

Protection class: IP66/67

Intrinsic safety: II 1/2 G
Ex ia IIB T4 Ga/Gb
IECEX SEV 10.0002

Materials: Head: Stainless steel 316L
Probe: Stainless steel 304 & PTFE

Process connection: 1" 1/2 NTP or 1" 1/2 G
Flange (optional)

SAFETY UNIT:

Number of channels: up to 8

Power supply: 115/230 Vac / 48-60 Hz

Consumption: 40VA

Communication port: RS232

Operating Temperatures: -25°C to +45°C

Protection class: IP20

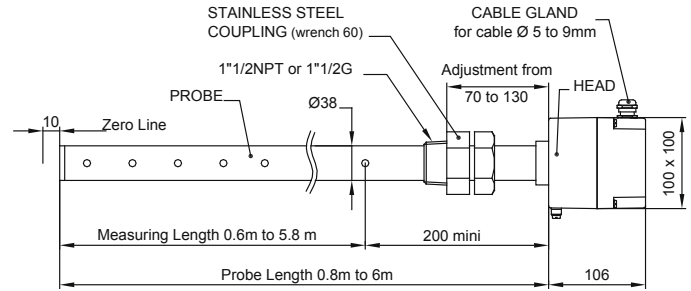
Intrinsic safety *: II (1) G [Ex ia Ga] IIB

* 250m cable length maximum to sensor

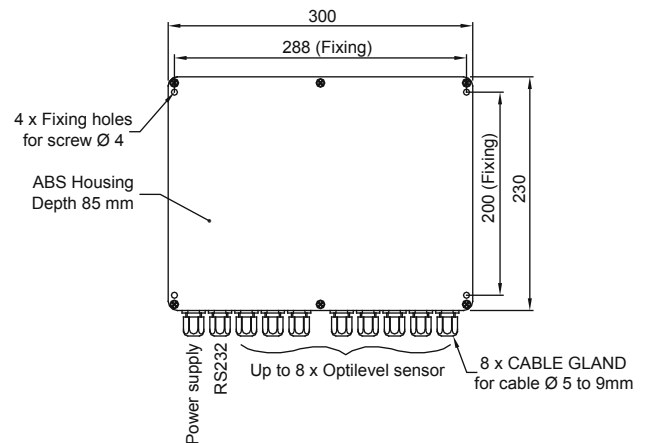
Material: ABS

Dimensions & Process Connection

SENSOR:



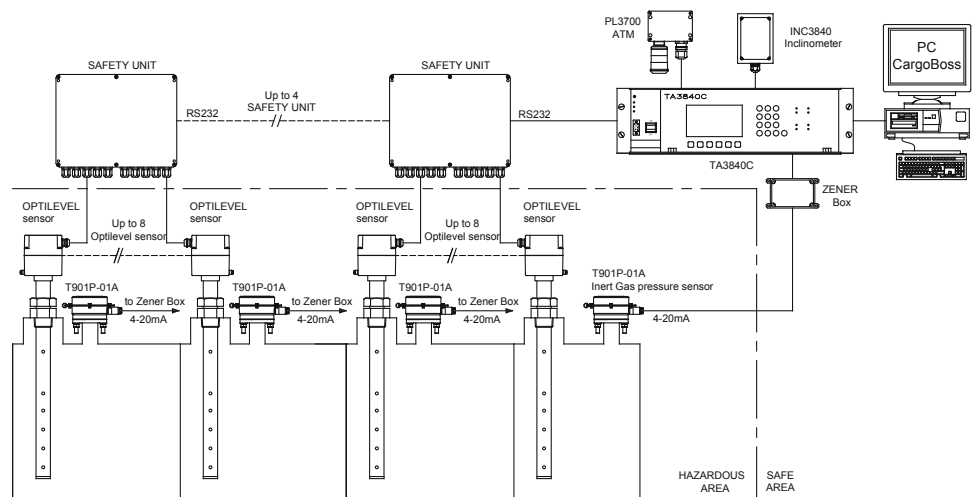
SAFETY UNIT:



Technical Documentation

Technical manual: MT5003

System Diagram



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