FAFNIR™

Process Automation

Level Sensors | Level Detectors | Overfill Prevention

Accuracy

Flexible
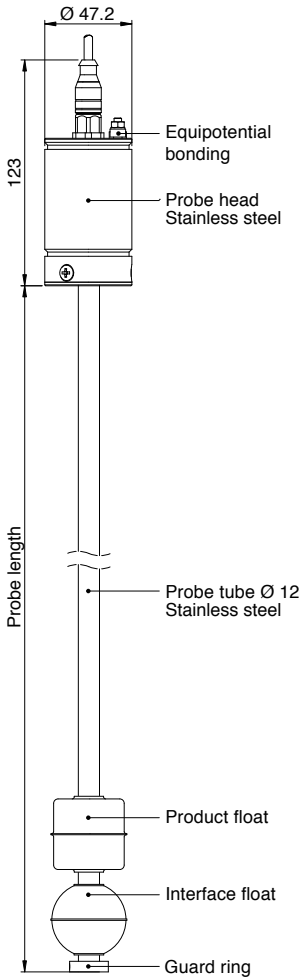
Reliable

Sensors and Systems: www.fafnir.com

TORRIX RS485 – Technical Data

Ø 47.2

123

Probe length

- Equipotential bonding
- Probe head Stainless steel
- Probe tube Ø 12 Stainless steel
- Product float
- Interface float
- Guard ring

Probe head

Protection class	IP68
Material	Stainless steel 1.4305 (303)
Cable terminal	M12 connector
Ambient temperature	−40 °C ... +85 °C

Probe tube

Material	Stainless steel 1.4571 (316Ti)*

Accuracy

Filling level	Up to ±0.3 mm or ±0.01 %
Temperature	Up to ±0.3 °C

Electrical connection

Connection	4-wire with RS485 interface
Voltage	24 V_{DC}
Protocol	Modbus (ASCII); FAFNIR Universal Device Protocol*
Functions	Positioning of up to two floats Temperature (optional) Sensor status information, configuration

Process conditions

Temperature	Up to 450 °C For probes with integrated temperature sensors: −40 °C ... +85 °C
Pressure	Up to 120 bar
Options	As Advanced version with increased measuring accuracy and 5 temperature sensors; (TORRIX RS485 and TORRIX RS485 flange) Vibration-resistant design (to OIML D11) ATEX and IECEx approval

* Others on request

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Sensors & Systems Worldwide: www.fafnir.com