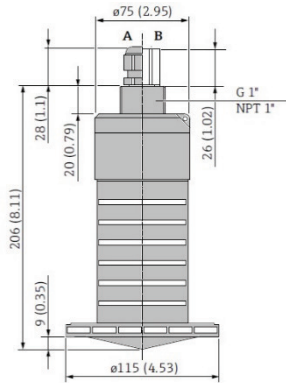


Technical characteristics

The following characteristics are provided for information purposes and are subject to change by the manufacturer.

 For more details, see the **Micropilot FMR20 Radar Sensor Technical Manual** (to interpret the diagnostics code, for example).

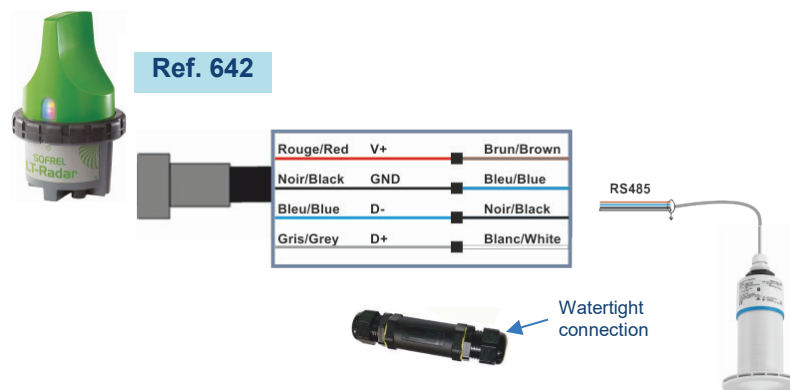


Micropilot FMR20 Radar Sensor	FMR20-compatible software: from V 01.00.03
Measurement angle	12° if anti-overflow protection tube installed
Interface	RS485 Modbus
Measurement range	100 mm – 20,000 mm (with 80-mm antenna)
Dead band	100 mm (user-configurable using the SmartBlue E+H application)
Watertightness	IP66/IP68
Resolution	1 mm
Accuracy	± 2 mm
Fitting	Retaining bracket, Wall bracket
Operating temperature	-40°C – +80°C
Temperature compensation	± 3 mm/10 K
Dimensions	206 mm total height and Ø 75 mm
Power supply	Sensor remotely powered by the connected device
Configuration/Start-up	Bluetooth® with SOFTTOOLS Central Station, or on Smartphone and Tablet via the SmartBlue (E+H) application
Weight	2.5 kg with 5-metre cable

Connecting the sensor to LT-Radar

- ✓ Use the **standard cable** (ref. 642 T0020303)

Connect the sensor cable and set up the connections in a watertight case (T4400301) according to the following diagram:



 It may be necessary to **protect the cable** with an outer sheath (presence of rodents, for example).

Diagnostics

Data point No. **82** of the Data Logger is a diagnostic data point for the Radar sensor.



 The **"SmartBlue"** application provided by the supplier of the Radar sensor can be used to calibrate the measurement. However, the calibration parameters specified in SOFTTOOLS will no longer be valid.