

Fuel level monitoring for fuel cubes deployed on jobsites



This solution can be used for Rochester R3D Remote Ready fuel gauges. Simply retrofit the R3D Gauge to the tank (two simple screws) and snap the Fuel Xense dongle into place. The Fuel Xense is activated when installed into the R3D Gauge.

Enable remote monitoring of fuel cubes

Use the Xtellio Fuel Xense Kit to obtain fuel level (%) and temperature (°C/F) along with a GPS location to keep track of fuel tanks deployed on job-sites. Optimize your re-filling process based on real-time remote data monitoring.

The Fuel Xense can be fitted to the Rochester R3D Remote Ready fuel gauge. As the Fuel Xense reports via Bluetooth there are no wires/cables to fit making the installation as easy as: Pair >> Snap >> Activate.



Xtellio

Data, at your service

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 **MADE IN DENMARK**

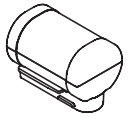
Highlighted features

- **Rapid installation/activation** (smartphone: pair >> snap in dongle >> activate Xentral >> done)
- **Fuel level and temperature measuring** every hour >> transmitted to server every 6 hrs.
- **Sampling and transmission frequency is fully configurable** (this may affect battery life)
- **Battery life >5yrs.** (interchangeable battery only on the Gateway Xentral)
- **GPS location transmitted daily**
- **ISO compliant API feed** (pending)

Kit contains

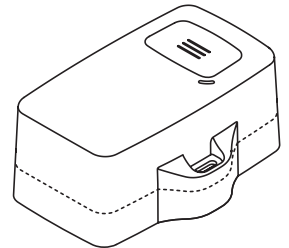
Fuel Xense

Functionality: Measures fuel level and ambient temperature.
Power: Battery - expected lifetime with standard settings: 5-8 yrs.
Wireless communication: Bluetooth LE 5.x.
Dimensions: L:32 x W:21 x H:24 mm (L:1.3 x W:0.8 x H:0.9 in)
Weight: 18 grams (0.6 oz)
Mounting: snap into Rochester R3D Remote Ready fuel gauge.



Gateway Xentral

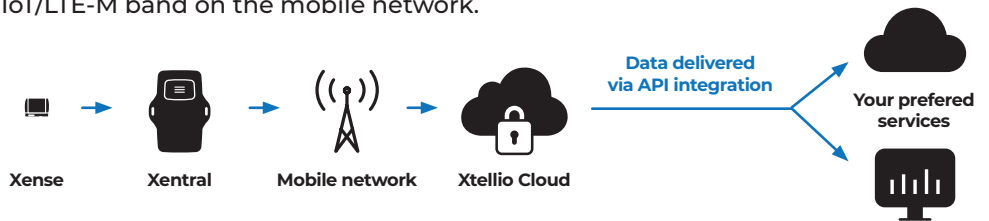
Functionality: Collects data from Fuel Xense and transmits it to cloud via onboard SIM solution. Delivers also a GPS position (long/lat).
Power: Xtellio extended battery solution: Industrial 3,6V Lithium Thionyl Chloride battery (Li-SOCl₂). Expected lifetime with default settings: >5 yrs.
Wireless communication: CAT-NB2/CAT-M1 (Aka NB-IoT and LTE-M), Bluetooth LE 5.x.
Dimensions: L:106 x W:80 x H:41 mm (L:4.2 x W:3.2 x H:1.6 in)
Weight: 240 grams (8.5 oz)
Mounting: Mount Xentral to tank or bracket with use of two screws or strips.



How it works

Default Operation

The Xtellio Fuel Xense measures fuel level from the fuel gauge and ambient temperature. The Xtellio Gateway Xentral collects the measurements and transmit them to Xtellio Cloud via onboard SIM solution that leverages the NB-IoT/LTE-M band on the mobile network.



From Xtellio Cloud, the data can be integrated into other services using our developer APIs or can be viewed directly in Xtellio Device Manager that is part of your Xtellio Service.

