

-  Mobile communication (LTE)
-  SRD wireless communication, IoT
-  Robust design for outdoor operation
-  Data acquisition from up to 6 tanks
-  Long life battery (up to 6 years)
-  Remote configuration and firmware upgrade

**OKO 5875**, an essential element of Intelligent Meter Reading **IMR System**, is a battery powered, FCC & PTCRB certified, wireless data gateway that collects data from up to 6 ALEVEL sensor devices. The data from the past few months are stored and transmitted to acquisition server periodically (e.g. daily at a specified time) using LTE technology. The data is encrypted with AES symmetrical algorithm using 128bit key.

**IMR System**, designed and developed by AIUT, is a state of the art solution for remote readouts of the tank level data and used among other applications for the Propane Inventory Management.

With **OKO 5875** the distributor can manage the measurements online and work with extensive reporting of daily levels, consumption and deliveries as well as integrate the system with their own ERP, logistic or delivery planning systems.



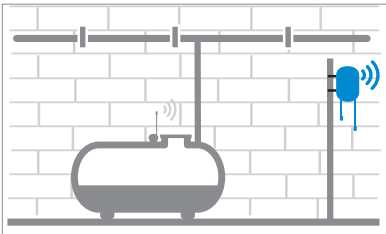
## Tank Monitoring

# OKO 5875 Compact Data Gateway for remote tank monitoring

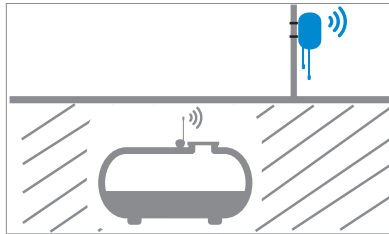
### Installation

User friendly structure of OKO 5875 and its HMI makes it intuitive and easy to set up. The client, with minimal instruction, is able to perform all required operations and manage the system unassisted.

The installation procedure does not disturb the tank system performance and can be carried out during its regular operation.



OKO 5875 collecting the data from ALEVEL 0275 installed on the aboveground tank



OKO 5875 collecting the data from ALEVEL 0275 installed on the underground tank

**OKO 5875** can be conveniently located close to the tank, on well-maintained, gas or ventilation pipe line, at a height ensuring the best LTE reception.

For the user convenience, to support on-site installation procedures, AIUT provides access to SITA; mobile application that helps to find the place with the best LTE reception, assign OKO 5875 device to the location in the System and supervise telemetry installations.



### Functional and Technical Specifications

#### General Features

- Dimensions: W x H(with antenna) x D  
4.25 in (108mm) x 7.4 in (188mm) x 2.6 in (66mm)
- Weight: 11.2 oz (317g)
- Visual state indication on Diagnostic LEDs
- Opto Port (IEC 62056-21 standard) for local communication and easy diagnostic

#### Environmental Parameters

- Operating temp : -40°F (-40°C) to 122°F (50°C)
- UV resistant
- IP68
- FCC: 15C Certified

#### Data structures

- Periodical (scheduled - autonomous, preconfigured): current readouts, OKO status, functionality, LTE signal quality, ambient temperature
- On request: Current and archive readouts, diagnostics, remote configuration and firmware upgrade
- Data transmitted in one package incorporates diagnostics and smart sensor information
- In case of missing data in the system, OKO 5875 will resend the data for a period of one week

#### Communication

- LTE data transmission
- Telit xE 910 family module
- User replaceable micro SIM card
- Short range radio 915 Mhz, < 1mW
- Radio range: 656ft (200m) for above-ground tanks, 65ft (20m) underground for 1mW transmission
- Frequency, channel, output power can be adjusted in accordance with the local requirements
- EMC, PTCRB, R&TTE, FCC part 15 Compliant

#### Power Source

- User replaceable long life Lithium battery (up to 6 years)
- OKO 5875 is able to provide battery level and the estimated remaining lifetime