



Smart Gas Metering

## OKO X305 Wireless Gas Meter Data Logger



Mobile communication (GPRS/SMS, LTE on request)



Data stored at configurable intervals for up to 20 years



Built-in pulse sensor



Long life battery (10 years)



Robust design for outdoor operation



Easy to set up & retrofittable on existing meters



Optional replicated pulse output



ATEX certified

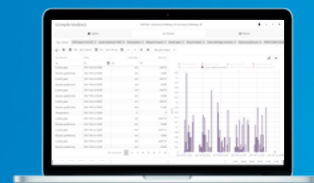
**OKO X305** is a battery powered, ATEX certified, wireless data logger, that can be easily installed on existing diaphragm meters. Received data from the past few months are stored and transferred over GPRS/SMS to acquisition server periodically (e.g. daily at specified time). Flexible configuration permits for customization of logged data structures and communication pattern for specific Gas Utility needs.

**IMR Smart Gas Metering** system that has been designed, developed and manufactured by AIUT consists of communication equipment, data loggers, sensors as well as back-office software package for data acquisition, analytics and presentation.

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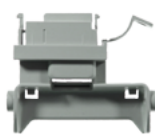


**OKO X305** installed on gas meter takes pulses from the meter (appropriate adapter on request - see below) and sends the data (regular archive data and alarms) over GPRS/SMS to IMR Suite Server. Subsequently, the data can be processed further to 3rd party data center.

Exemplary adapters:



**IC Ex15** - Elster BK,  
Landis&Gyr  
Model 750,1010



**IC Mx15**-Metrix GL



**IC Cx15** - Itron Cyble



**IC Rx15**-Itron RF1



**IC Ux15**-suits any diaphragm  
or rotary gas meter equipped  
with own pulse output or cable



**IC Kx15**-Kale Kalip

- Other types of adapters are available on request.
- All adapters are available in version equipped with replicated pulse output.

## Functional and Technical Features

### Communication

- GPRS/SMS data transmission
- Telit GE 910 module
- User replaceable micro SIM or eSIM
- Opto port (IEC - 62056-21 standard) for local communication and easy diagnostics
- Optional external SMA antenna

### Data structures

- Configurable logging intervals of 15, 30, 60 minutes or 24 hours
- Current state: temperature, device status, GSM reception, battery state
- Monthly maximum instantaneous and hourly flow, peak hours counter
- Tamper detection: cover opening, device removal, external magnet
- In case of missing the data in the system OKO X305 resends the data for a period of one week.

### General Features

- Dimensions: H (w/o antenna) x W x D: 112mm x 91mm x 43mm
- Weight: 382 g

### Power supply

- User replaceable long life Lithium battery
- OKO X305 is able to provide battery level and estimated lifetime

### Environmental Parameters

- Operating temperature:  
-40°C to +60°C [for OKO X305-9'00]  
-40°C to +70°C [for OKO X305- F'00]
- UV resistant
- IP 65

### Compliance

- ATEX certificate:  
II 1G Ex ia IIB T3 Ga [for OKO X305-9'00]  
II 3G Ex ic IIB T3 Ga [for OKO X305- F'00]
- IECEx      ▪ LVD
- RTTE      ▪ EMC

### User friendly interface

Graphic orientated display with single button control for current readout presentation, extensive diagnostics and easy installation

