OKO I505

Gas Meter Data Logger
with Valve Control

2G (SMS/GPRS)

- 2G - SMS / GPRS communication
- Hourly consumption registered for 20 years
- Cut off valve, remote control
- ATEX certified
- Built-in pulse sensor
- Designed for outdoor use
- Long life battery (up to 10 years)
- Safe valve opening with leak detection procedure

Smart Gas Metering with OKO I505

The OKO I505 data logger, integrated into the Elster BK series gas meter featuring an internal valve, delivers a complete smart metering solution for commercial and residential applications.
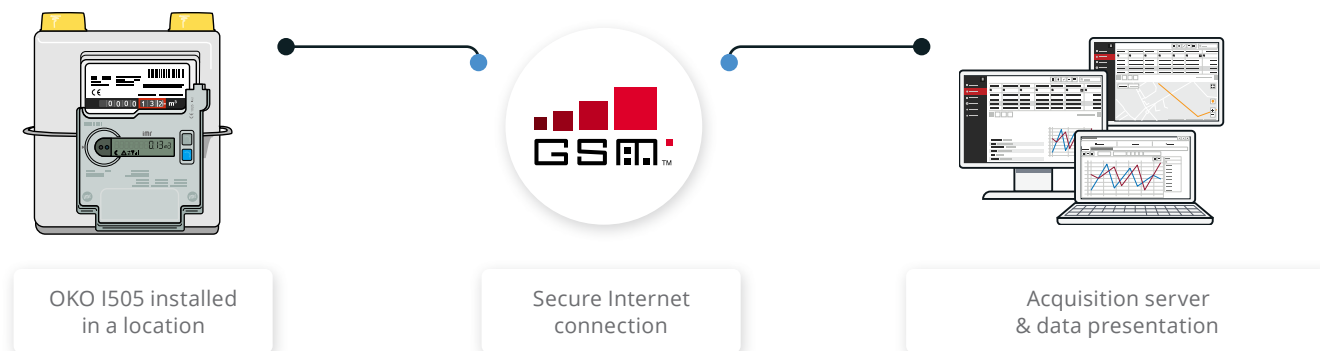
This compact device registers and transmits gas consumption data via the mobile network directly to your back-office system. Equipped with remote valve control, the OKO I505 allows the internal valve to be shut off remotely—either automatically when credit runs out or on demand by the system operator—enhancing safety and operational control.

Integrated into AIUNEO's Smart Gas Infrastructure

OKO I505 is part of the Smart Gas Metering system developed by AIUNEO. The complete solution combines advanced data loggers, communication modules, sensors, and a powerful back-office platform for data acquisition, analytics, billing, and remote device management.

SMART CONTROL. SEAMLESS SERVICE.

The OKO I505 data logger offers remote valve management—no need to access customer premises. With features like on-demand valve shut-off and safe manual reopening, it ensures convenience and control. Suitable for both standard billing and prepaid models, the OKO I505 helps maintain customer satisfaction while encouraging timely payments. In prepaid mode, it allows users to monitor their credit and top up independently via GPRS. When credit runs out, the system automatically closes the valve, ensuring secure and efficient service management.

| OKO I505 installed in a location | Secure Internet connection | Acquisition server & data presentation |

TECHNICAL PARAMETERS

Data structures

- 20 years of hourly consumption data. Configurable logging intervals (e.g. 15, 30 or 60 minutes)
- Daily readout: current device state, temperature, daily consumption, GSM signal quality
- Tamper detection: device removal, external magnet, exceeded max. flow or allowed temperature
- Daily readings and configuration
- Remote server control: data query and valve shut-off

Communication

- 2G - SMS/GPRS
- User replaceable micro SIM card
- Standard Smart-Gas protocol, optional 3rd party protocols
- Encrypted data transmission (AES-128)
- Event triggered alarms

HMI Interface

- LCD electronic index
- Mechanical buttons

Environmental Parameters

- ATEX : Ex II 3G Ex ic IIB T3 Gc
- Suitable for outdoor environment, IP67
- Operational temperature: -25°C to +55°C

Power Supply

- User replaceable battery
- Estimated 10-year battery life*

*The battery life depends on the device's target configuration, environmental conditions, and user interaction with the device.

AVAILABLE VERSIONS

OKO I505-F205-0XXX - dedicated for **Elster BK G1.6/G2.5/G4 V1.2**
OKO I505-F305-0XXX - dedicated for **Elster BK G2.5/G4/G6 V2**

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