

Landis
|Gyr+



How do you read
hard-to-access
gas meters?

Simple.

“When it’s difficult to read a gas meter, we make things easy.”

If your customers have gas meters that are remote or hard to access, Landis+Gyr’s SMS Gas Meter Module is the solution. Unlike other products on the market, it’s purpose-built to do one thing only: read gas meters remotely. The module is completely field retrofittable, just plug it in, no need for additional wiring or connections. Plus the user-friendly back-office system makes billing simple. We think it’s a step towards a smarter future.”

Ben Manson
Product Manager, Gas.



Get accurate, up-to-date information on gas usage with the AMR Gas Meter Module by Landis+Gyr.

The OKOI 303 Gas Meter Module uses SMS/GPRS communication to wirelessly deliver meter data directly to the back-office, as part of an integrated AMR gas metering system.

It’s the ideal solution for gas distribution customers with hard to read regions, sub-metering, retailers, or consumers such as hospitals and schools that wish to monitor gas usage. The module can be retrofitted to existing Landis+Gyr 750/1010/BK meters or supplied with new meters.



A smarter system.



- ▶ Bill customers on actual consumption each month.
- ▶ Analyse hourly consumption.
- ▶ Identify outages and tampering.
- ▶ Regular, daily readouts transmitted from all your meters.

The module.



Retrofittable.

The module can be easily retrofitted to existing 750 & 1010 gas meters. On request, adapters can be prepared for other meters on your network.



Built-in magnetic sensor.

State-of-the-art technology takes pulses from meters and eliminates 3rd party pulser boxes in between the meter and the module. Pulse detector detects a pulse magnet in a standard index and registers low frequency pulses ($I=0.01 \text{ m}^3/\text{pulse}$).



No wires=No problems.

Eliminate costly set-up cabling that often fails in operation, also reduce potential tampering.



Long-life battery.

Lithium battery-powered operation provides 5 years with daily readouts and 10 years with weekly data transmissions.



User-friendly display

for current readout presentation, extensive diagnostics and easy installation.



Safe and secure.

Uses secure, IECEx intrinsically safe designed equipment that can be installed in EX Zone 0.



Protected data.

A proprietary WAN protocol keeps data highly compressed and protected.



Health checks.

Temperature sensor periodically measures the ambient temperature to check the health of the device.



Detect tampering.

Tamper detector alerts to device removal, an external magnetic field and opening of the lid.



Easy access service interface.

OptoPort allows for easy access of historical data, module configuration and firmware updates without requiring opening of the enclosure. For use onsite and in the warehouse.



Overview all meter sites consumption, generate billing report.

The platform.

High performance server.

The IMR suite server is a high-performance, multi-protocol data collection system for metering data acquisition, billing and web presentation.

Billing made easy.

Integration of the metering data with existing billing systems possible.

User-friendly interface.

Meter data is presented on a web application with an easy-to-read user interface.

Automated processes.

An automated management platform to supervise onsite installations, device handling and daily system maintenance.

Hosted option.

All applications and the server can be delivered as a hosted service.

The data.

Rich daily read-outs.

Every day, the OKOI 303 module transmits a read-out (fitting into one SMS) which includes:

- **Current status:**
Electronic meter, temperature, energy counter, OKOI 303 internal status and GSM communication status.
- **Daily statistics:**
Average temperature, maximum instantaneous and hourly flow.
- **Daily data archive:**
24 meter index values (the consumption profile) and 6 temperatures (measured every 4 hours).

Easy-to-access reports.

At the end of each day and month, the module generates summary reports, with hourly and daily consumption profiles respectively, that are stored in the data archive for a lifetime (up to 20 years). The data archive can be accessed remotely by GPRS/SMS or locally via the OptoPort.

Expanding the system

OKOI 373

The **OKOI 373** model becomes a radio receiver and a GPRS communication gateway for clustered meters located over short distances. Up to 10 meters equipped with APULSE I373 radio senders can be collected on a daily basis by one OKOI 373.



OKO 5503

The heavy-duty **OKO 5503** model is a perfect alternative for demanding industrial metering applications. Connect OKO 5503 with a cable to low frequency meter pulse output or to the serial interface of the Absolute Encoder index. Benefit from pulse register functionality in extremely robust casing.



Technical specs

Battery type	5 x 3.6VDC 2.7Ah lithium
GSM modem	Telit GL865 Dual Band (Quad Band on request)
Ingress protection	IP44 (IP55 optional)
Ambient temperature	-20°C – +55°C
IECE Certificate	IECE x FTZU 13.0005x

Installation

Using no special tools, the fitter simply fits and screws the adapter with the SMS Gas Meter Module OKOI 303. Then they confirm the installation by registering OKOI 303 on a specific meter with a single text SMS. The installation process takes less than 5 minutes.





For more information on the Landis+Gyr SMS Gas Meter Module, contact our friendly staff:

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