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Remote reading module GX-SG for gas flowmeters

ELSTER/PREMAGAS

Radio reading systems are widely used by gas network operators. However, SIGFOX technology provides a new level of communication, battery life, operating costs and wider area coverage. At low investment costs, it also significantly improves work efficiency and reduces error rates during human readings of counters. It avoids disturbing the privacy of customers and reduces the security risks for the reading workers. Radiomodules provide a number of features for the user. They allow you to closely monitor the consumption patterns of the customer, signal failures, unauthorized interventions.

The transmitted data could be secured by encryption.

Recorded and transmitted data

- Gas meter serial number
- Volume counter at the time of reading
- Current time
- Date of reading
- Records of monthly consumption for previous 12 months to date of current reading
- Peak flows (consumptions)
- Battery operating time
- Time of failure
- Warning messages:
Fault messages (depends on firmware version).
detecting the presence of the radio module on the meter
Low battery - Battery voltage drop

Regularly sent data are shown in **bold**. Other data are sent sequentially (depends on firmware version).

Technical parameters

Module body was designed for direct mounting on the gas meter, including seam for security seal

Dimensions:	64 x 30 x 23 mm (without aerial and locking protrusion)
Power:	Lithium battery AA
Battery life:	12 years**
Moisture:	.0 - 99%
Operating temperature:	-10 ° C / + 55 ° C
Short-term temperature:	-20 ° C / + 70 ° C
Storage temperature:	+ 5 ° C to + 35 ° C

** Under normal operating conditions + 5 ° C to + 35 °C

Radio communication

SIGFOX protocol

Frequency:	868 MHz
Enhanced power:	25 mW
Communication:	1 - 2x daily (up to 4 times a day - battery life 6 years)