GAS*link*
EP-LOG

LOGGER FOR MONITORING THE OPERATING PRESSURE OF NATURAL GAS

FAST
CONTROL TECHNOLOGY

GASlink EP-LOG

EP-LOG is a DataLogger designed to monitor the operating pressure in low pressure natural gas distribution networks (UNI/TR 11631:2016 standard).

EP-LOG can connect to the SCADA centre in several ways including: GSM/GPRS, UMTS, LTE, SMS, Radio Modem-169MHz, NB-IoT, LoraWAN. EP-LOG can be configured and updated both locally and remotely in order to adapt its behaviour to changing regulations.

EP-LOG can be installed on pole or wall mounted boxes and can be supplied with a pressure cable for underground gas outlets or with a connection for off-road gas outlets, guaranteeing maximum installation flexibility.

FUNCTIONS

The data that the EP-LOG makes available includes:

- Pressure

- Temperature

- Time intervals with out-of-threshold pressure

- Out-of-threshold temperature indication

- Real-time communication for a limited period of time

CENTRE - SCADA

The SCADA collects data from all EP-LOGs and calculates the following parameters:

- Plant efficiency parameter (Peff)

- Minimum pressure

- Maximum pressure

- Average pressure

- Average squared deviation

- Out-of-threshold pressure time

EP-LOG is ATEX certified and can be installed in potentially explosive areas.

The battery life exceeds 5 years with standard GSM/GPRS communications, i.e. by communicating the daily historic data to the SCADA once a day. In the event of an alarm, immediate communication with the SCADA itself is activated. The batteries are housed in such a way that they can be easily replaced.

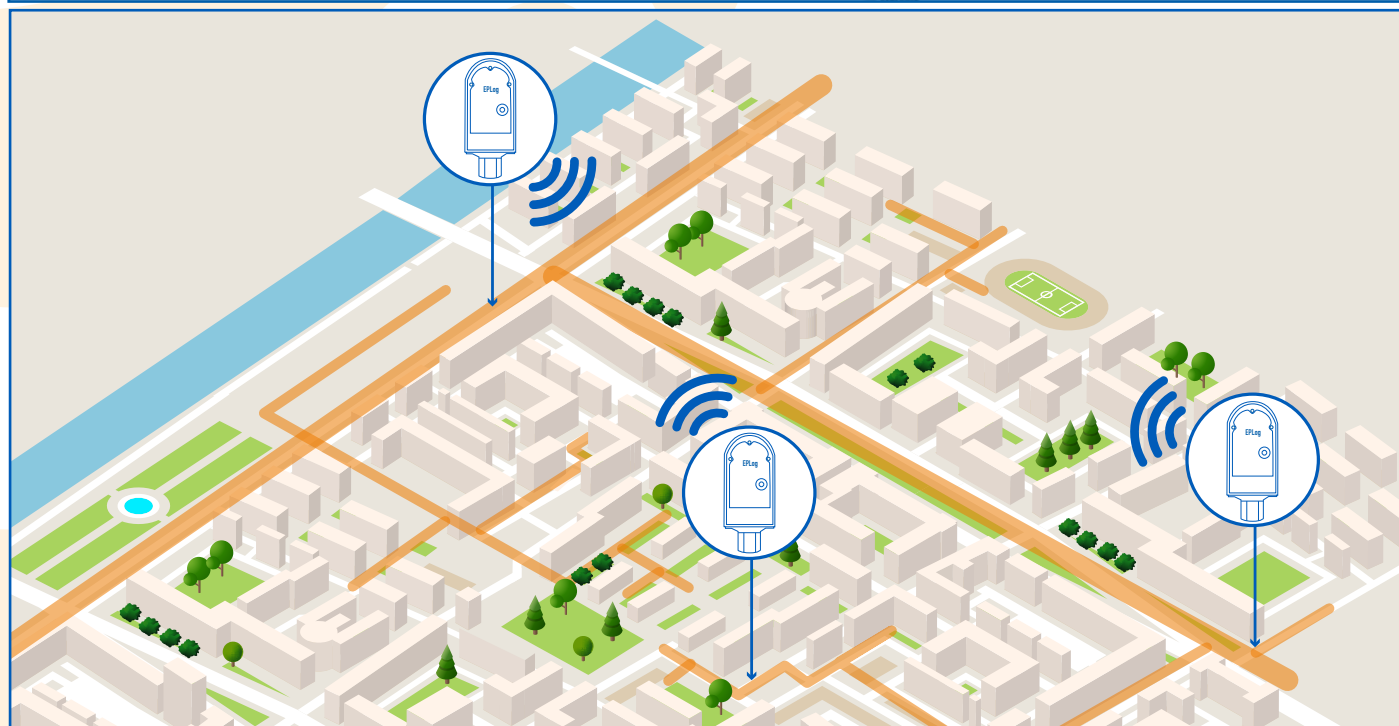|	
MEASUREMENT CHANNELS	• Standard input from 100 mBar piezoresistive relative pressure sensor, accuracy < 0.25%, standard process connection ¼ G male. • PT1000 class A temperature sensor input (optional) • Second pressure input (optional) • 2 digital inputs (optional)
CASE	IP67 enclosure in thermoplastic mould Dimensions 190 x 115 x 50 mm Weight Kg. 1.6
ENVIRONMENTAL CONDITIONS	Temperature range: –25°C < T < +60 °C Humidity 90% without condensation
POWER	Internal: • Battery life > 5 years with standard communications
INTERFACES	Serial optical port in compliance with EN 62056-21 Two internal expansion ports for communication circuit boards. Internal modem: GSM/GPRS. Optional: UMTS modem, LTE modem. 169MHz, Lora-WAN 868MHz Radio, NB-IoT Radio.
PROTOCOLS	MODBUS, IEC 870-5-104, WM-Bus, Lora-WAN

* Products are subject to change without notice.

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