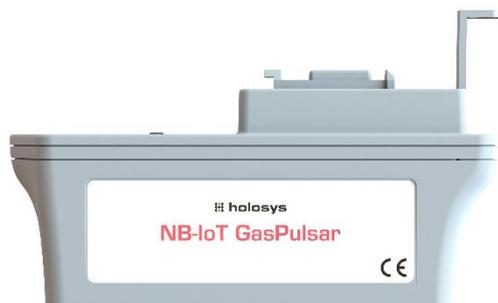# holosys

Holosys NB-IoT GasPulsar

Holosys **NB-IoT GasPulsar** is a compact radio module that collects consumption readouts from various types of gas meters and sends them via NB-IoT network. Compact design with embedded "reed" sensor decreases the number of necessary components which guarantees easier installation and maintenance.
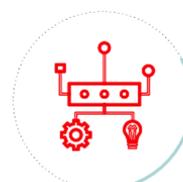
NB-IoT

Network secured by telecom providers

Support for multiple NB-IoT Bands - LTE Cat NB2

Direct mount on gas meter

Local and remote device configuration

• Compact design: clip-on mount on Elster, Honeywell, Kromschröder, Pipersberg, Metrix, Itron, Actaris and IKOM gas meters

• Battery lifetime: up to 10 years (depending on the confguration)

• Protection type: IP67

• Operating temperature: -20°C .. 80°C

• Adjustable periodic interval of measurement sampling

• Adjustable and pseudorandom readout sending interval to avoid network congestion

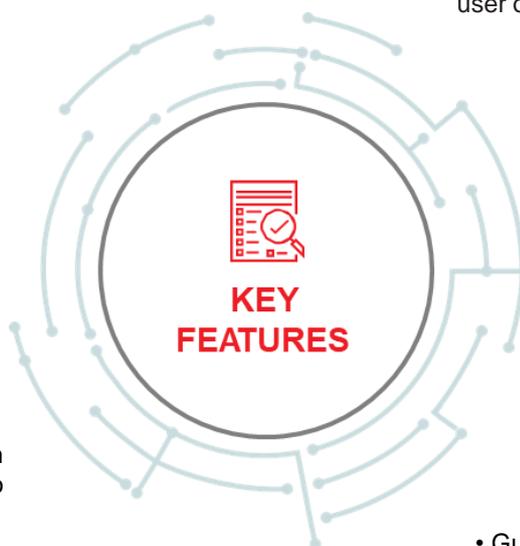• Local configuration using AES128 protected radio channel

KEY FEATURES

• Device delivers the readouts to the Holo-IoT cloud platform from which the data is forwarded to the user or third party systems

• SENDING: stored counter values at a specifc time (Due Date function), manipulation alarm information (Tamper), battery voltage information

• Sending network parameters regarding signal level/quality

• Monitoring network and device performance through the Holo-IoT platform

• Guaranteed readout delivery in the event of network failure (up to 200 readouts stored internally)

holosys

TECHNICAL CHARACTERISTICS

Supported gas meters	
Gas meters	ELSTER HONEYWELL KROMSCHRÖDER PIPERSBERG METRIX ITRON ACTARIS IKOM
Radio interface	
LTE Cat NB2	Frequency band B20 (other bands on demand) Max. output power ≤ 23dBm
Local configuration frequency	868/433 MHz bands
Antenna type	Internal
General data	
Power supply	Integrated battery (non-chargeable) Nominal voltage = 3,6 V d.c. Battery life time (25°C): ~10 years (depending on the configuration)
Housing	Material: Thermoplastic Dimensions (w x h x l): 33 x 66 x 137 mm Color: Light gray Protection type: IP67 Mounting: clip-on
Operating temperature range	-20°C ...+80°C