- RF walk-by, LoRa, NB-IoT
- Bluetooth Low Energy (optional)
- Magnetic button
- Magnetic or inductive (magnet proof) sensor
- Hourly consumption registered for up to 10 years
- Long life battery (up to 10 years)
- Robust, suitable for outdoor environment
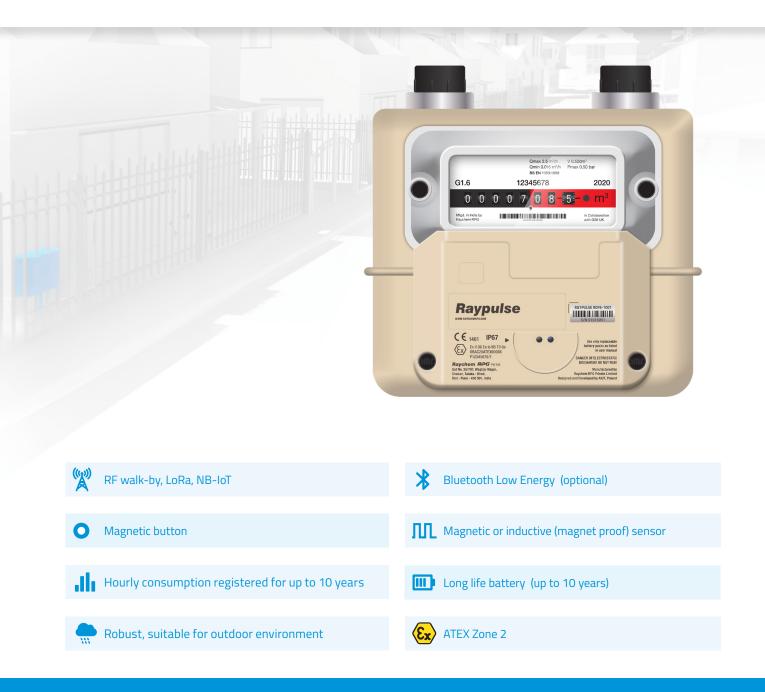- ATEX Zone 2

RAYPULSE Rxx6 is a Raychem Module dedicated for Raychem G1.6 diaphragm gas meters. The device registers readouts as well as magnetic and tamper detection and transmits the data to back office server.

RAYPULSE Rxx6 is designed for walk-by* gas metering as well as fixed metering which makes it the most cost effective solution for commercial and residential applications.

*Optional, depending on configuration.

Raychem RPG

ETE RPG

(A TE-Connectivity-RPG Enterprise JV)

FIXED SYSTEM

GSM

NB-IoT · LoRa

WALK-BY SYSTEM

ANDROID APPLICATION

ARANGE 7076 · Android app

Acquisition server

Data Presentation

Functional and Technical Features

Data structures

- up to 10 years of hourly consumption data (at least 6 months for RAYPULSE R076)
- Daily readout: current device state, temperature, daily consumption
- Tamper detection: lid opening, external magnet, exceeding Qmax or operational temperature range
- Scheduled daily readouts

Power supply

- Long life battery (up to 10 years) depending on configuration and environment
- Non-replaceable battery (RAYPULSE R076, RAYPULSE R0F6)
- Replaceable battery 1x 17450 size MnO2 cell, pack type: RBAT P174-1 (RAYPULSE RA06)

RAYPULSE versions

- RAYPULSE R076 - RF Walk-by
- RAYPULSE R0F6 - RF Walk-by/LoRa WAN
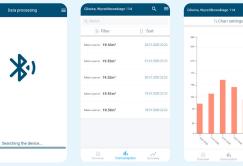- RAYPULSE RA06 - NB-IoT

Communication

- RF walk-by, LoRa, NB-IoT
- Encrypted data transmission (AES-128)
- Event triggered alarms
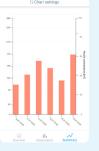- Over-the-air configuration
- Bluetooth Low Energy

Environment

- Robust design, secured and sealed
- Suitable for outdoor environment, IP67
- Operational temperature -25°C to +55°C
- Ex zone (ATEX Zone 2 approved: II 3G Ex ic II B T3 Gc)

Compliance

- ATEX Directive 2014/34/EU (Zone 2, gas group B)
- Radio Equipment Directive (RED) 2014/53/EU – CE marked equipment
- IECEx Certified Equipment
- PESO and WPC India approvals

Mobile application for readout and configuration

- BLE on-site operations:
  Easy data synchronisation, configuration & installation
- Supervision and maintenance of system performance
- Current and archive consumption data

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Raychem RPG

TE connectivity · RPG

(A TE-Connectivity-RPG Enterprise JV)