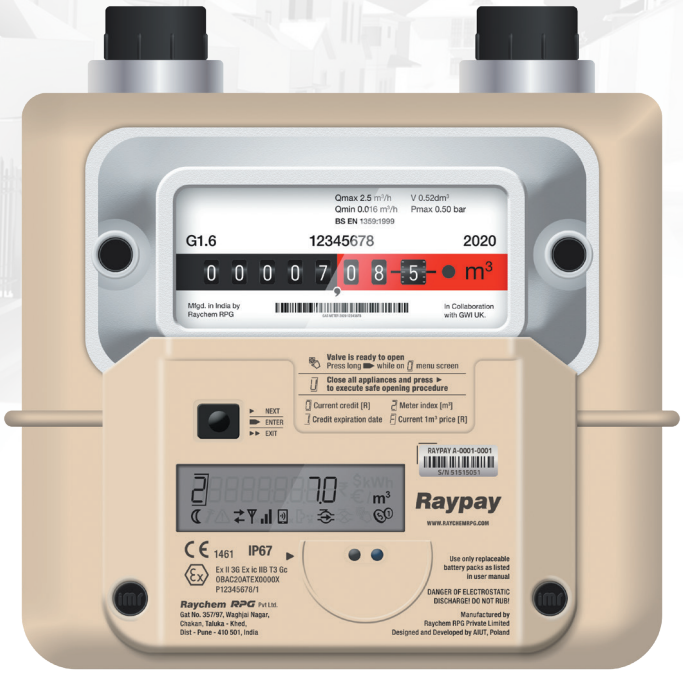
Raychem RPG RAYPAY Rxx6 IoT Prepaid Module



- RF walk-by, LoRa, NB-IoT, 2G (GSM/GPRS)
- Safe opening of the valve requiring consumer's confirmation and the procedure of leak detection
- Prepaid functionality
- Bluetooth Low Energy (optional)
- Cut off valve, remote control
- Magnetic or inductive (magnet proof) sensor
- Hourly consumption registered for 10 years
- Long life battery (up to 10 years)
- Robust, suitable for outdoor environment
- ATEX Zone 2

RAYPAY Rxx6 is a Raychem Prepaid Module dedicated for Raychem G1.6 diaphragm gas meters equipped with internal valve. The device registers readouts and transmits consumption data to back office server. **RAYPAY Rxx6** enables to control the valve remotely, without accessing the customer's premises. It also helps to reduce the costs of hard execution and promotes good payment behavior among consumers. The module 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

TE connectivity RPG

(A TE-Connectivity-RPG Enterprise JV)

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Corporate Identity Number - U74999MH1984PTC033786
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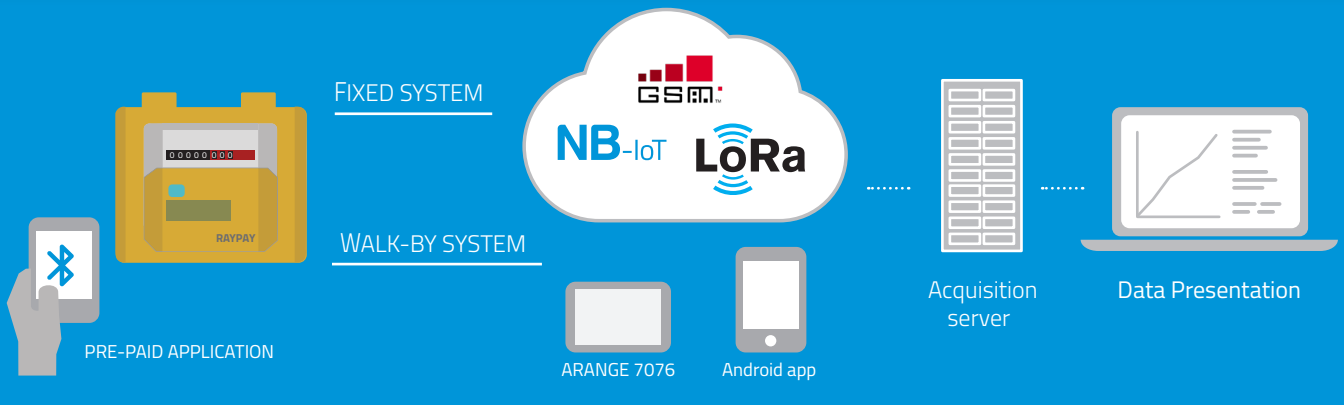


Functional and Technical Features

Data structures
- 10 years of hourly consumption data
- Daily readout: current device state, temperature, daily consumption
- Tamper detection: lid opening, external magnet, exceeding Qmax or operational temperature range
- Scheduled daily readouts
- Server initiated query - command (valve cut-off)

Power supply
- User replaceable long life battery (up to 10 years) depending on configuration and environment
- 2x 17450 size MnO2 cell, pack type: RBAT P174-2

RAYPAY versions
- RAYPAY R0F6 - RF Walk-by/ LoRaWAN,
- RAYPAY RA06 - NB-IoT modem
- RAYPAY RC06 - NB-IoT, 2G/SMS/GPRS modem

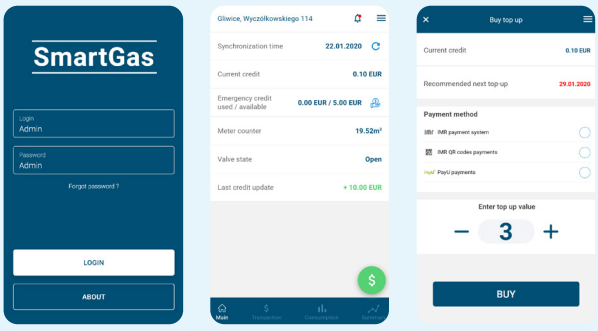
Communication
- RF walk-by, LoRa, NB-IoT, 2G (GSM/GPRS)
- Replaceable micro SIM card
- Encrypted data transmission (AES-128)
- Event triggered alarms
- Over-the-air configuration
- Bluetooth Low Energy

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

User friendly interface
LCD display with button for navigating menu: current meter value, customer ID, credit, payment mode, recommended amount and date of top-up

Prepaid functionality managed from Smart Gas application
- BLE on-site operations
- Quick access to your account and credit
- Historical credit, balance and consumption data
- List of transactions and their status
- Fast and easy top-up
- Recommended top-up value and date



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