

GAZPAR CONNECTOR

PULSE ATEX



Make your gaz meters communicate in ATEX zone 1.



Gazpar connector



ALERT

Alert when the flow rate exceeds a threshold



MONITOR

- Receive values of the indexes from gas meters,
- Monitor over-consumption.

Additional features:

- Solution already wired to a GAZPAR connector
- Optimisation of autonomy: historisation
- Data accessibility: redundancy
- Sending: periodic and/or on events
- Error / fault management: alert on configuration error, low battery

ATEX

- Gas & steam
 - Zone 1: immediate proximity to the sensitive area
 - Groupe IIC: hydrogen gases and vapors, acetylene...
- Dust
 - Zone 21: immediate proximity to the sensitive area



Monitor your gas consumption in the immediate proximity of your meter.

TECHNICAL SPECIFICATIONS



LoRaWAN ARF8230FA-B02 | Sigfox ARF8230GA-B02

Mechanical specifications

Weight	70 g (battery included)
Dimensions	105 x 50 x 27 mm
Enclosure	IP67, EMERGE™ PC 8731HH grey resin (casing), EMERGE™ PC 8430-15 transparent resin (sole)
Mounting	DIN Rail, Tube, Wall, Collar

Operating conditions

Temperature	-25°C / +70°C
Humidity	0 to 85% RH (non-condensing)

Device Power Supply

Battery Type	1 soldered battery
Expected Battery Life	For 1 index per hour and 1 transmission every 4 hours (6 frames/day), 10,000 pulses and Pull-Up activated: Sigfox: 4.7 years LoRaWAN SF12: 9.3 years LoRaWAN SF7: >10 years

Device configuration

Local device configuration	IoT Configurator
Remote device configuration	Downlink via the network or via the KARE platform
Configuration and firmware update from the air	KARE+ compatible (only with LoRaWAN)
Security	PIN/PUK Code protection

Radio/Wireless

Supported regions	LoRaWAN EU863-870 / Sigfox RC1
Wireless Security	AES-128 data encryption (LoRaWAN only)
Class	LoRaWAN: Class A Sigfox: Class 0
Supported LoRaWAN features	OTAA, ABP, ADR, adaptive channel setup
RF transmit power	14 dBm
Sensitivity	-132 dBm LoRaWAN @SF12 <-122 dBm Sigfox

Regulations and certifications

Standard	Directive 2014/53/UE (RED)
ATEX	2014/34/UE ATEX II 2 G D Ex ib IIC T4 Gb Ex ib IIIC T135°C Db -20°C < Tamb < +40°C U _o ≤ 3.9V; I _o ≤ 6.1mA; P _o ≤ 6mW; C _o ≤ 440µF; L _o ≤ 930mH U _i ≤ 15V; I _i ≤ 1000mA; P _i ≤ 3750mW; C _i = 0µF; L _i = 126nH

GAZPAR CONNECTOR

Product equipped with a connectorised cord	
Cable length	1 meters
ConnectOr	Female 2-point JAE type MX44 reference MX4402SF1

