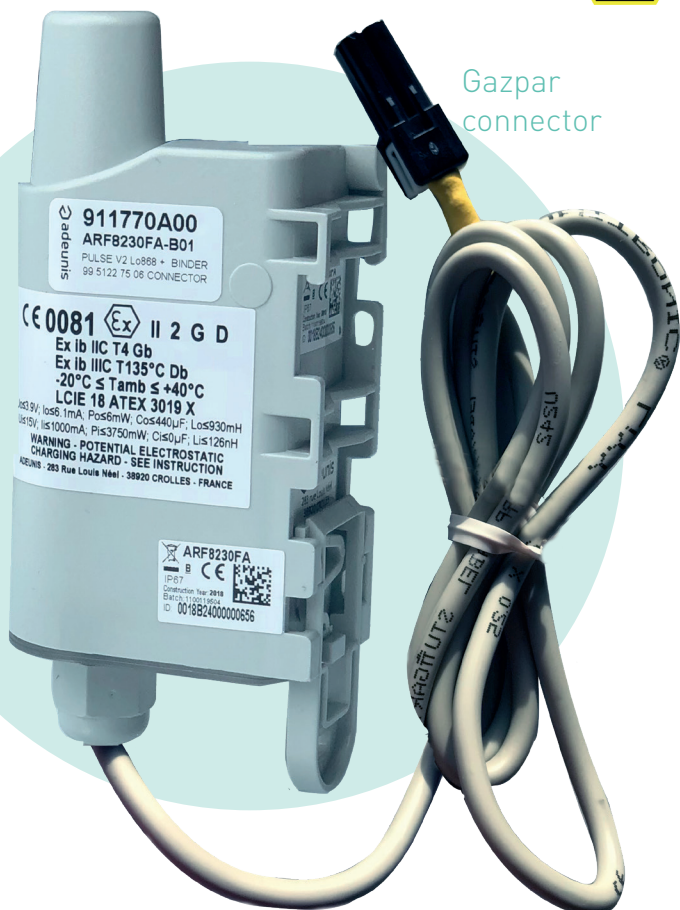


# GAZPAR CONNECTOR

PULSE ATEX



## Make your gaz meters communicate in ATEX zone 1.

Gazpar  
connector**MONITOR**

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

**ALERT**

Alert when the flow rate exceeds a threshold

### 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

### 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: 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
Security	PIN/PUK Code protection

### Radio/Wireless

Supported regions	LoRaWAN EU863-870
Wireless Security	AES-128 data encryption
Class	LoRaWAN: Class A
Supported LoRaWAN features	OTAA, ABP, ADR, adaptive channel setup
RF transmit power	14 dBm
Sensitivity	-132 dBm LoRaWAN @SF12

### 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 Uo ≤ 3.9V; Io ≤ 6.1mA; Po ≤ 6mW; Co ≤ 440µF; Lo ≤ 930mH Ui ≤ 15V; Ii ≤ 1000mA; Pi ≤ 3750mW; Ci = 0µF; Li = 126nH

### GAZPAR CONNECTOR

Product equipped with a connectorised cord	
Cable length	1 meters
Connector	Female 2-point JAE type MX44 reference MX4402SF1
Inductance	< 0,004 mH (milliH)
Capacitance	< 0,00012 uF (microF)

Take into account the inductance and capacitance of the cable when checking the conformity of the intrinsic parameters of the product with the equipment to which it will be connected.

