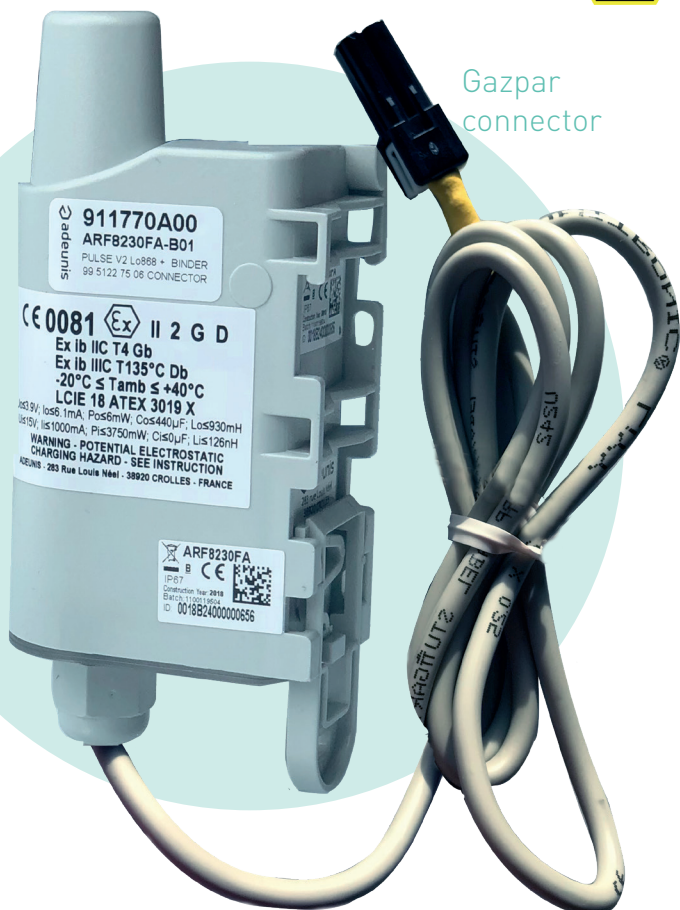


GAZPAR CONNECTOR

PULSE ATEX



Make your gaz meters communicate in ATEX zone 1.



Gazpar connector



MONITOR

- Receive values of the indexes from gaz 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 | 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 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.

