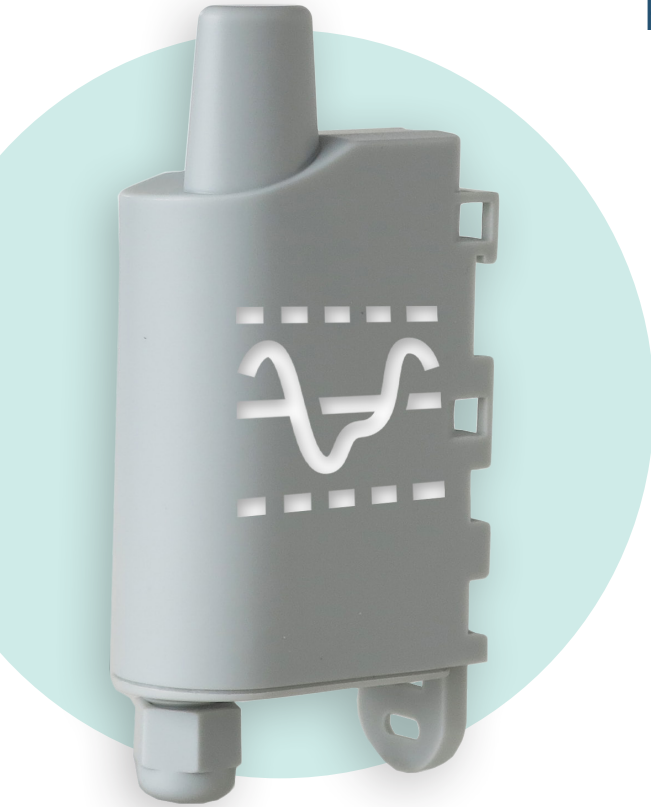


ANALOG

Give IoT connectivity to wired analog sensors (0-10V or 4-20mA).

Functions: **2 analogue inputs**



ALERT

Provide warnings should thresholds be exceeded (high / low)



MEASURE

· Continuously monitor the values of an equipment or a 0-10V or 4-30 mA sensor (current clamp, temperature, rain gauge, etc.)



Additional features :

- 2 versions available :
 - replaceable internal battery
 - external power supply
- Periodic or event-driven transmission
- Error/fault management: product error warning, configuration error, low battery (for ANALOG version)



Monitor the electrical consumption of an equipment via a current clamp.



Measure the continuous filling level of a tank.



Giving IoT connectivity to industrial sensors already installed on a production site.

TECHNICAL SPECIFICATIONS



ANALOG : Sigfox ARF8191BA
ANALOG PWR : Sigfox ARF8201AA

Mechanical specifications

Weight	70 g (battery included), 49 g (powered version)
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	Removable battery or External supply 6-36V continuous
Sensor supply management	Do not monitor the supply of the sensor
Expected Battery Life (ANALOG)	For 1 frame every 2 hours (12 frames per day) : 4.2 years

Device configuration

Local device configuration	IoT Configurator
Remote device configuration	Downlink via the network or via the KARE platform and KARE platform

Radio/Wireless

Supported regions	Sigfox RC1
Class	Class 0
RF transmit power	14 dBm
Sensitivity	-124 dBm Sigfox

Regulations and certifications

Standard	Directive 2014/53/UE (RED)
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4-20mA interface

Current	4-20mA
Equivalent input impedance	99,8 (+/-0.1%) Ω

0-10V interface

Voltage	0-10V
Equivalent input impedance	337,3 (+/-0.2%) k Ω

Digital inputs for triggering

Voltage	0-24V
Equivalent input resistance	500 k Ω
Input frequency	10 Hz

PACKAGE

	Sigfox
Current sensor 50A	ARF8191BA-B01
Current sensor 100A	ARF8191BA-B02

