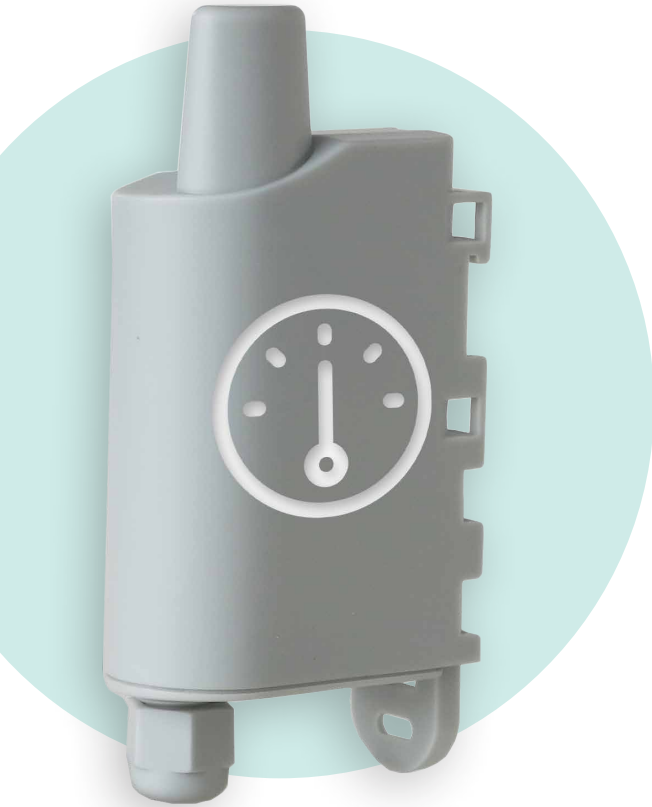


PULSE

Make all your meters or pulse output equipment communicating.



MONITOR

Monitor values from water, gas and electricity meters

- Periodic transmission of the index
- Periodic monitoring of the tamper and leakage



ALERT

Alert when a flow rate threshold is exceeded

- Detection of possible leaks
- Fraud detection



Additional features:

- **Autonomy optimization:** historization
- **Accessibility of the data:** redundancy
- **Error or Default management:** Hardware error, configuration inconsistency and low battery alert



Monitoring energy consumption in a building (water, electricity, etc.).



Count the number of cycles of an equipment to anticipate its maintenance.

TECHNICAL SPECIFICATIONS



LoRaWAN US915 ARF8230BA | LoRaWAN AS923 ARF8230JA | Sigfox RC4 ARF8230KA

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)
Fixations	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 connectorized battery pack
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Device configuration

Local device configuration	IoT Configurator
Remote device configuration	Downlink through network or through KARE platform
Security	PIN/PUK Code protection

Radio/Wireless

Supported regions	LoRaWAN US902-928 / LoRaWAN AS923 / Sigfox RC4
Wireless Security	AES-128 data encryption (LoRaWAN only)
LoRaWAN Class	Class A
Supported LoRaWAN features	OTAA, ABP, ADR, adaptive channel setup
RF transmit power	LoRaWAN US902-928: +18 dBm LoRaWAN AS923: +16 dBm Sigfox RC4: +23 dBm
Sensitivity	-136 dBm LoRaWAN @SF12 -122dBm Sigfox

Regulations and certifications

Standard	AUS/NZ: IEC 62368-1(safety) / AS/NZS 4268:2012 US: FCC- Title 47 CFR Part 15 CANADA: RSS-247 Issue 2
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Impulse input

Number of channels	1 or 2 channels configurable (eg: 1 counter with 5 wires or 2 counters with 3 wires)
Equivalent input pull-up	180 kΩ (water), 47 kΩ (gas)
Input frequency	<100 Hz

