PULSE IP68

Make all your meters or pulse output equipments communicate.





Monitor values from water, gas and electricity meters

- · Periodic transmission of the index
- Periodic monitoring of flow rates (min/max), fraud and leakage



Alert when the flow rate exceeds a threshold

Additional features:





· Accessibility of the data: redundancy

• Error or Default management: Hardware error, configuration

inconsistancy and low battery alert

- Timestamp of the frame (LoRaWAN)
- · Network Quality Test at start-up (LoRaWAN)





TECHNICAL SPECIFICATIONS





PULSE LoRaWAN ARF8230ABA | Sigfox ARF8230CBA

Mechanical specifications		
Weight	107.2 g (battery included)	
Dimensions	132 x 62 x 34 mm	
Enclosure	IP68, 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 connectorized battery pack	
Expected Battery Life	Depending on configuration Eg: Logging with 1 index / hour and 1 send / 4 hours (6 frames / day), 10,000 pulses and Pull-Up disabled: 5.3 years in Sigfox >10 years in LoRa SF12 >10 years in LoRa SF7	
Device configuration		
Local device configuration	IoT Configurator	
Configuration and firmware update from the air	KARE+ compatible	
Remote device configuration	Downlink through network or through the KARE platform	
Security	PIN/PUK Code protection	
Radio/Wireless		
Supported regions	LoRaWAN EU863-870 / Sigfox RC1	
Wireless Security	AES-128 data encryption (LoRaWAN only)	
LoRaWAN Class	Class A	
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)	
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)	

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Input frequency	<100 Hz
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BUNDLE	LoRaWAN	Sigfox
PULSE 2 cables of 3 wires CBL	ARF8230ABA-CBL2	ARF8230CBA-CBL2