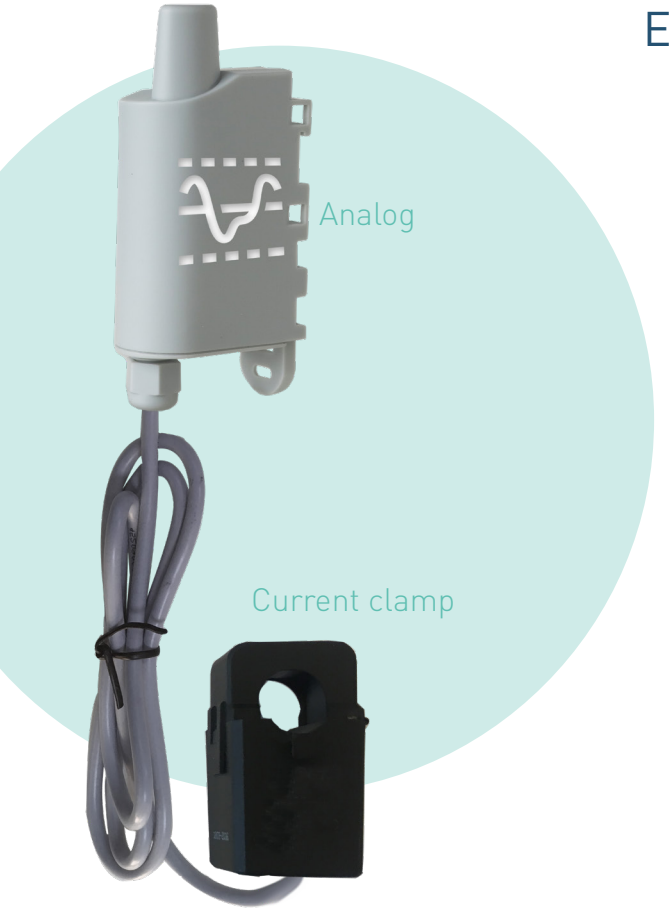
CURRENT SENSOR

adeunis
IOT PRODUCTS & SOLUTIONS

Measuring power intensity



Existing versions: **50 A and 100 A**

ALERT

- **Prevent malfunctions**
- **Warn in case of equipment failure**

MONITOR

- **Control energy production**
- **Monitor and analysing consumption**

Additional features:

- **Data transmission:** every hour
- **2 analogue inputs** independently configurable as 0-10 V or 4-20 mA
- **2 digital inputs** associated with analogue inputs
- **Data transmission modes:** periodic and/or event-driven
- **Error/fault management:** product error warning, low battery

Monitoring the operation of equipment in order to anticipate malfunctionsor know the time of use.

Monitor the intensity thresholds and avoid exceeding consumption according to the subscribed intensity.

TECHNICAL SPECIFICATIONS

CURRENT SENSOR 50A Sigfox ARF8191BA-B01
CURRENT SENSOR 100A Sigfox ARF8191BA-B02

ANALOG	
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	Removable battery
Sensor supply management	Supplied by the phase observed
Expected Battery Life	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
Radio/Wireless	
Supported regions	Sigfox RC1
Class	Class 0
RF transmit power	+14 dBm
Sensitivity	-124 dBm
Regulations and certifications	
Standard	Directive 2014/53/UE (RED)

CURRENT TRANSDUCER	50A	100A
Operating transducer	-25°C to +60°C	
Fire resistance	UL94-V0	
Nominal output	10 V DC	
Precision	+/-2%	
Communication	0-10 V	
Cable length	1 m	
Frequency of measured current	50 ~60 Hz	
Max input detection	75 A (max 1min)	150 A (max 1min)
Max sampling resistance	>10 kΩ	>7 kΩ
Max cable section	10 mm	16 mm
Size of the current probe	26 x 34 x 50 mm	33.5 x 38 x 55 mm