ACW-TM1
Temperature radio sensor

TEMPERATURE • ALERT • IP65 • IoT CLOUD • USB

Networks

- Sigfox™
- LoRaWan®

Performances

- Range : up to 15km

Autonomy

- 5 years with 3 Tx/jour
- Two lithium batteries AA
- Battery level indication

Diverse

- Configuration by USB
- SMS & Emails alerts
- Web Platform
- Waterproof housing IP65

The ACW-TM1 can be used to report a temperature using a PT100 or PT1000 remote analog probe and transmit it via radio to the cloud. The transmission of data is done at regular intervals and by alerts of exceeding thresholdsIn case of anomaly, an email or SMS will be instantly sent to one or more recipients previously configured. The ACW-TM1 is versatile and will find its place in many applications.

This temperature sensor is available in different versions for use on LPWAN networks dedicated to the Internet of Things: Sigfox and LoRaWan. Ideal to supervise your equipment on the Web, it is perfectly adapted in urban environment and for use in buildings (boiler rooms for example).

Technical features

Dimensions	177 x 55 x 55 mm
Antenna	Integrated (¼ wave)
Temperature	-20°C to +55°C (Operating mode) -40°C to +70°C (storage)
Fixation	Mural, tube, DIN Rail
Housing	IP 65
Power supply	Two Lithium batteries AA
Weight	160 g
Frequency	865 – 870 MHz
Power	25 mW (14 dBm)
Speed	Sigfox: 100 bps LoRaWan: 300 bit/s à 10 Kbit/s

Consumption	Sigfox :	LoRaWan :
Tx Mode	60 mA	60 mA
Srandby	4 µA	2.2 µA
Rx Mode	35 mA	25 mA

References

1 input PT100 :
- ACW/SF8-TM1
  Sigfox
- ACW/LW8-TM1
  LoRaWan

Available with ACW Platform subsription.

Atim Cloud Wireless™ Platform
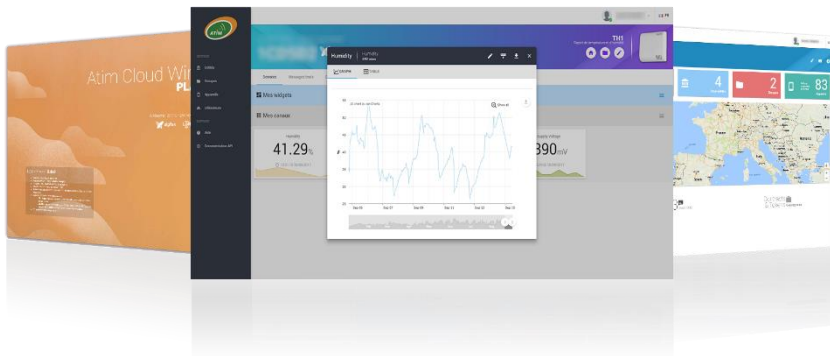
Control all your ATIM devices using Sigfox and LoRaWAN on one single secured web platform.
Access and manage your IoT data very easily.
Thanks to the new LPWAN networks, device remote management and telemetry become simple and accessible to everyone.

- Device management group
- First-class signal quality
- SMS alerts
- Emails alerts
- Secured API

- Real-time data follow-up through user-friendly control panel
- Personalization of graphics and information channels
- Export your data (by product or by group)
- Geo-tracking of each product