



ATRS0051

LoRaWAN® outdoor environmental sensor

This IP67 battery powered sensor reads temperature, humidity and pressure and sends collected data over the LoRaWAN® network. Ideally suited for a wide range of applications such as weather stations, urban monitoring, air quality, industrial, environmental or farming projects.



Characteristics:

- CPU Cortex M0+
- EEPROM 32Kb
- Flash 64k
- Encryption AES 128 bit
- Class A LoRaWAN® stack EU868, AS923, AU915, US915 EU868, AS923
- Temperature -15 to 70 °C (±0.5°C)
- Humidity 0%..... 100% (20%80%±3% @25°C, 0%-20%-80%-100% @ 25°C ±5%)
- Pressure 300....1100hPa (±1hPa)
- Battery powered with 5 years of life (according radio propagation effectiveness and 10 min reading period)
- NFC for IoT node setup, FW upgrade and data reading
- Wall or pole mounting
- Storage temperature range -30°C ÷ +80°C
- Working temperature range -30°C ÷ +70°C
- Dimensions: 150x150x40mm
- Protection class IP67

Applications:

- Weather Station
- Smart city
- Smart agriculture



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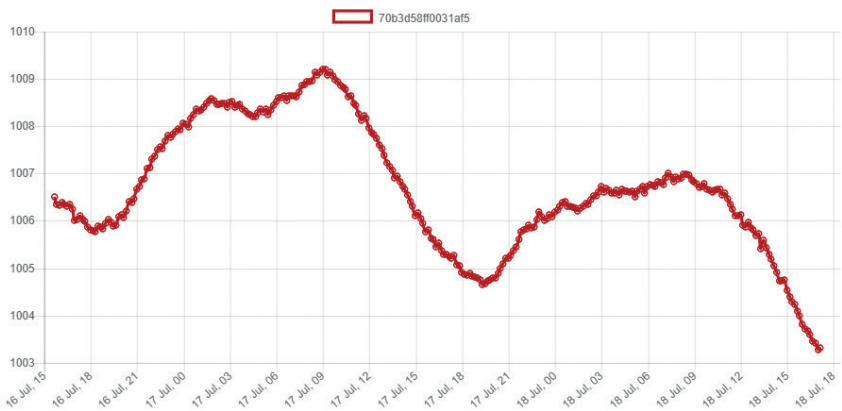
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Grafico

Temperatura



Pressione



Umidità

