MCF-LW12TERWP

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
- Temperature -10….. 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
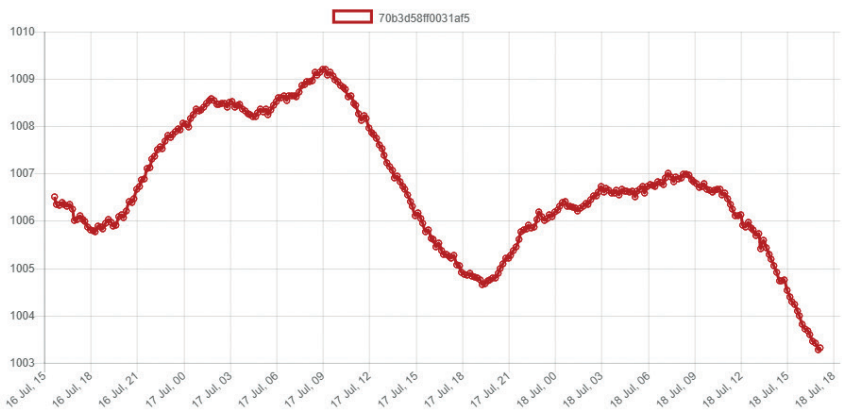- Smart city
- Smart agriculture

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Grafico

Temperatura

Pressione

Umidità