MCF-LW12VOC

LoRaWAN™ indoor environmental sensor with VOC and LUX.

This device reads temperature, humidity, pressure, light intensity and VOC and sends collected data over the LoRaWAN™ network. Ideally suited for a wide range of applications such as building automation, condition monitoring, predictive maintenance, security, healthcare and many more use cases.

LoRa Alliance Certified™

Characteristics:

- CPU Cortex M0+
- EEProm 32Kb
- Flash 64k
- Encryption AES 128 bit
- Class A LoRaWAN™ stack @868Mhz   @920Mhz (SIN, HKG...)
- Temperature -10 ÷ 60 °C (±0.5°C)
- Humidity 0 ÷ 100% (20 ÷ 80% ±3% @25°C, 0 ÷ 20% - 80 ÷ 100% ±5% @25°C)
- Pressure 300 ÷ 1100hPa (±1hPa)
- Ambient Light Sensor 0.01 ÷ 80000 lux (±15%)
- TVOC 0 ÷ 2000ppb (±15%)
- Battery powered with 4 years of life (according radio propagation effectiveness and 10 min reading period)
- NFC for IoT node setup, FW upgrade and data reading
- Installation indoor
- Storage temperature range -20 + 80C°
- Working temperature range -10 + 60C
- Dimensions: 80x80x25mm
- Weight ~145g

Applications:

- Home Building automation
- Energy saving
- Enviromental quality control

MCF-LW12VOC

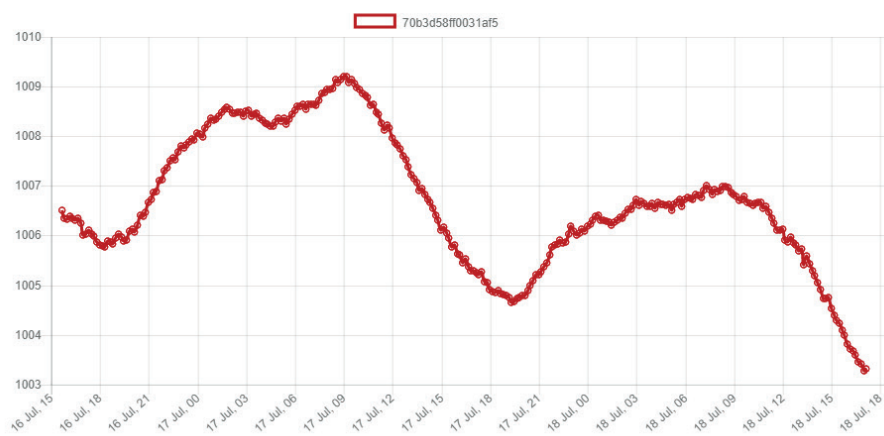## LoRaWAN™ indoor environmental sensor with VOC and LUX.