



MCF-LW12TERPM

LoRaWAN™ outdoor PM and environmental

sensor

This solar powered sensor reads temperature, humidity, pressure and PM (PM1, PM2.5, PM10) 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
- Temperature -30 \div 70°C (0 \div 65°C \pm 1.0°C)
- Humidity 0% ÷ 100% (20% ÷ 80% ±3% @25℃, 0% ÷ 20%-80% ÷ 100%@ 25℃ ±5%)
- Pressure 300 ÷ 1100hPa (±1.0hPa)
- PM sensor PM1\PM2.5 ±10%, PM10 ±30%
- NFC for IoT node setup, FW upgrade and data reading
- Wall or pole mounting
- Storage temperature range -30 + 80°C
- Working temperature range -30 + 60°C
- Protection class IP33
- Dimensions (approx) L x H X P: 210 x 310 x 200mm

Applications:

- Weather Station
- Smart city
- Smart agriculture

