

# MM-100

Motor Monitor



Part No.: BG 833110

# SPIoT®



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From traditional motors to machines that are monitored and intelligent by using only one simple sensor. The SPIoT IoT-Sensor based on NB-IoT communication collect data and send them to allow an easy status check.

## Measured Parameters

Temperature (Back plate temp.)  
Acceleration X (MIN, MAX, MEAN, RMS)  
Acceleration Y (MIN, MAX, MEAN, RMS)  
Acceleration Z (MIN, MAX, MEAN, RMS)

Velocity X (RMS)  
Velocity Y (RMS)  
Velocity Z (RMS)  
Battery

## Technical Data

### Vibration measurement

Amplitude range ± 16 g  
Frequency range 0 – 1000 Hz  
Accuracy ± 160 mg

### Interface | Network

Network LTE-NB, LTE-M, Bluetooth, WLAN  
Encryption AES industry standard  
Protocol MQTT

### Physical

Weight 355 g  
Housing ABS injection mold  
Mounting plate Stainless steel  
Dimensions 130.00 x 104.00 mm  
Total dimensions 130.00 x 104.00 x 31.70 mm

### Temperature measurement

Measurement range -10 – 85 °C  
Resolution 0.01 °C  
Accuracy ± 0.5 °C

### Environmental

Operation Temp. -10 – 85 °C  
Storage Temp. 10 – 20 °C  
IP class IP 65

### Battery

Type Lithium Thionyl Chloride, 5.8 Ah  
Estimated lifetime 2 – 3 years  
Power consumption 45 µA (Sleep mode)  
10 mA (Measuring mode)  
NB-IoT data transm. Max. 500 mA

**CE** All Status Pro Laser and Receiver Instruments are developed and manufactured according to the following CE Standards:  
EN 55 011, DIN EN 55032 VDE 0878-32, EN 61 000-4-2, EN 61 000-4-3, EN 60 335.

This document was prepared with the utmost of care. Changes and errors cannot be completely avoided.