

Wireless Measurement Module

WMM-100

Code: 600-10090

Key features

- Interface for IEPE vibration sensor
- Rechargeable battery operated
- Protection class IP66
- WLAN communication



WMM-100 is a wireless measurement unit for standard IEPE vibration sensors used in machine condition monitoring. The unit measures vibration signal from an IEPE vibration sensor. The sensor can be used with Valmet DNA online condition monitoring system as well as with Valmet Maintenance Pad portable analyzer. The unit is operated with a rechargeable battery.

WMM-100 carries out A/D conversion and transfers digitized vibration signals to a host system via standard WLAN connection.

The unit has 512 MB internal memory for data buffering. This enables data logging functionality: WMM-100 can measure vibration signals periodically based on configurable time interval.

WMM-100 is suitable for the monitoring of most machinery in different speed ranges in e.g. the following industries:

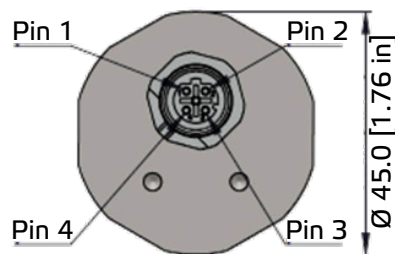
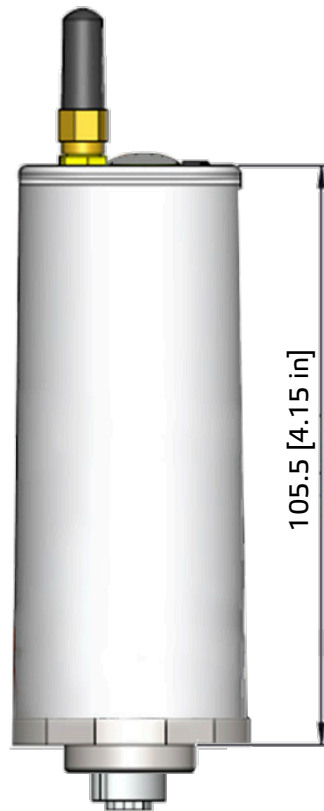
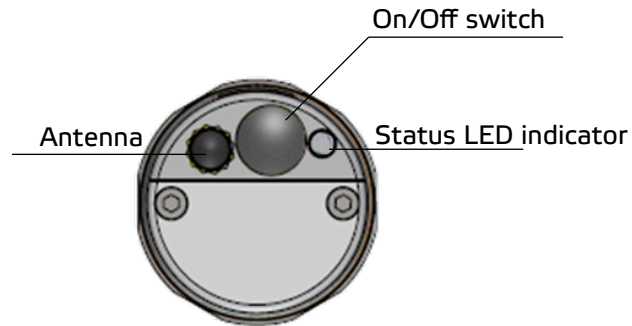
- Pulp and Paper
- Mining and mineral industry
- Power generation
- Steel industry



WMM-100 sensor specifications

IEPE sensor interface	Constant current for IEPE sensor	2 mA
	Input voltage range	0...20 V
Signal sampling	Sampling rate	max. 80 000 Hz
	Signal length	max. 1 000 000 samples
	A/D conversion	24 bits
	Internal buffer memory	512 MB
Radio communication	Network	IEEE 802.11 b/g/n
	Communication rate	max. 72.2 Mbps
	Security	WiFi security (802.11i) WEP, WPA/WPA2 (AES-CCMP and TKIP)
Electrical	Internal battery	Rechargeable 3.7 VDC, 3100 mAh (Lithium-ion)
	Power consumption at continuous use	1 W
	Grounding	Mounting base grounded
Environmental	Installation temperature	-20...+60 °C
	Protection class	IP66
Physical	Weight	350 g (including battery)
	Case material	AISI 316 and PET-C
	Connector	Phoenix Contact M12 SPEEDCON (4-pin)

WMM-100 sensor dimensions



- Pin 1: not in use
- Pin 2: not in use
- Pin 3: channel input
- Pin 4: ground

Accessories (optional)

WMM-100 sensor cable with 2-pin MIL connector	Code: 600-10130
WMM-100 sensor cable with BNC connector	Code: 600-10131
RVT-120 Accelerometer 100 mV/g (top exit)	Code: 600-1110
RVT-105 Accelerometer 100 mV/g (side-exit)	Code: 600-1105

Spare parts

Rechargeable battery	Code: 600-10071
Battery charger	Code: 600-10072
Antenna	Code: D202364
Seals for battery pack, 5 pcs	Code: 600-10157
2 mm Allen tool for battery mounting	Code: 600-10143