

# Wireless Trigger Module

WTM-100

Code: 600-10091

## Key features

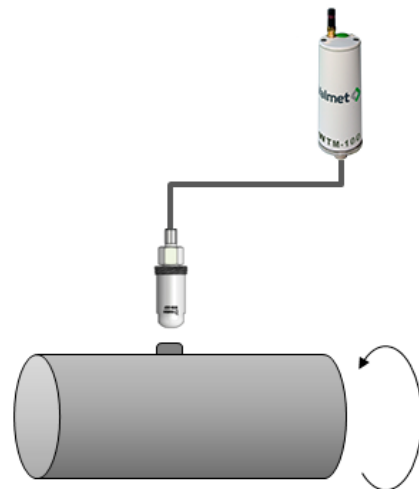
- Interface for trigger sensor
- Rechargeable battery operated
- Protection class IP66
- WLAN communication

WTM-100 is a wireless measurement unit for magnetic, inductive or optical trigger sensors. Trigger sensor is connected to WTM-100 via cable. WTM-100 is used with Valmet Maintenance Pad portable analyzer.

Trigger sensors are used in machine condition monitoring applications to obtain rotation speed and when calculating signal characteristics values, such as amplitudes and phase angles. Trigger sensor is needed when performing rotor balancing and Synchronous Time Average (STA) measurements.

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

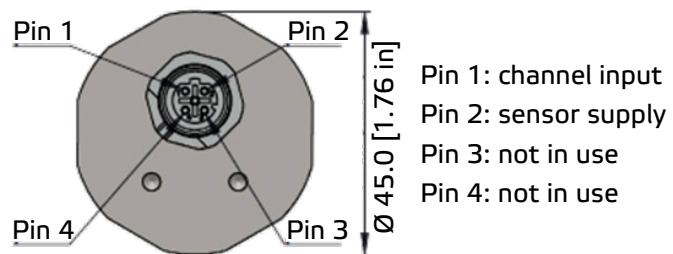
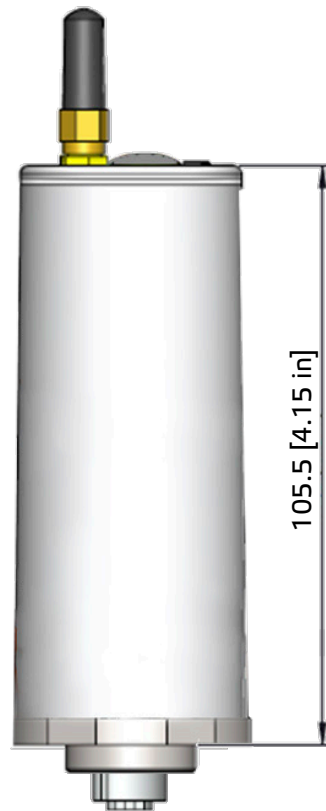
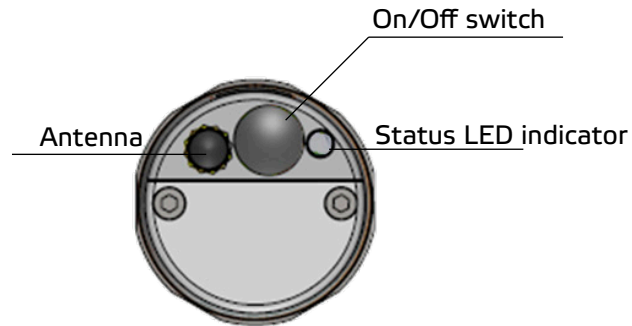
- Pulp and Paper
- Mining and mineral industry
- Power generation
- Steel industry



## WTM-100 sensor specifications

<b>Trigger sensor interface</b>	Sensor power output voltage	20 V / current limit 20 mA
	Input voltage range	0...20 V
<b>Signal sampling</b>	Sampling rate, trigger sensor	max. 80 000 Hz
	Signal length	max. 1 000 000 samples
	Internal buffer memory	512 MB
	A/D conversion accuracy, trigger sensor	24 bits
<b>Radio communication</b>	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)
<b>Electrical</b>	Internal battery	Rechargeable 3.7 VDC, 3100 mAh (Lithium-ion)
	Power consumption at continuous use	1 W
<b>Environmental</b>	Installation temperature	-20...+60 °C
	Protection class	IP66
<b>Physical</b>	Weight	350 g (including battery)
	Case material	AISI 316 and PET-C
	Connector	Phoenix Contact M12 SPEEDCON (4-pin)

# WTM-100 sensor dimensions



## Accessories (optional)

WTM-100 sensor cable for magnetic trigger sensor

Code: 600-10139

WTM-100 Sensor cable for optical trigger sensor

Code: 600-10140

WTM-100 sensor cable with BNC connector

Code: 600-10132

Optical trigger sensor for shaft  
(keyway)



Code: 600-10137

Optical trigger sensor for  
reflective tape



Code: 600-10503

Magnetic trigger sensor



Code: 600-10138

Reflective tape for optical  
trigger sensor

Code: 600-10504

## 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