



Vibrating Wire Data Logger 2, 4 and 8 Channel

The fully integrated low power solution for vibrating wire sensors



Your data, anywhere.

Designed and made in Australia

Feature Description

This device utilises the Meerkat Data Logger. Using this vibrating wire data logger, you will be able to monitor and manage your monitoring bore remotely once the installation has been completed. With simplicity in mind there is only one toggle switch to turn on the unit, one SMA aerial connection and one reset switch.

- NB-IoT and BLE connectivity.
- Sensor data stored in flash memory on board as a backup.
- The default configuration has a 4 hour sample interval and weekly reporting frequencies.
- User customisable with site set up tools via Android or iOS app.
- Strong and durable casing to protect the internal hardware.
- A tested range of higher gain aerials available to suit the geography of your location.
- Site powered with backup lithium batteries

Certification

The Ontoto VW has been designed to comply with the Australian Standards:

- AS/NZS 3820:2009 for low voltage battery powered devices.

EMC testing has been undertaken by EMC Technologies and the Ontoto Meerkat is certified with RCM compliance.

Site Expectations

- The Ontoto VW is a scientific instrument that needs to be installed correctly. If the data logger is not installed correctly the accuracy of the data cannot be relied upon.
- The site needs NB-IoT/LTE signal to take advantage of the remote telemetry feature of the device.

Battery Specifications

The provided battery pack is comprised of three Lithium-based batteries (ER2500M) in parallel with the following specifications:

- Voltage: 3.6 V
- Capacity: 6000 mAH
- 2500 mA pulse current
- Long shelf life: less than 1% self-discharge rate at 25°C per year
- Temperature range: -55°C to +85°C

Battery Usage Information

- Do not remove the plastic casing of the battery pack
- The batteries provided are non-rechargeable. Do not attempt to recharge the batteries.
- Store batteries in a dry place at room temperature when not in use

Vibrating Wire Specifications

Parameter	Value	Unit	Resolution
<i>VW Reading</i>			
Frequency range	400 to 6000	Hz min/max	0.1 Hz
Reading accuracy	0.013%	Hz	
<i>Temperature Reading</i>			
Sensor type	NTC 3K		
Reading accuracy	±0.2	°C	0.1°C

Warranty

Ontoto Pty Ltd will warrant the entire product (excluding the batteries) for 5 years from the date of delivery for parts and labour.



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Vibrating Wire Data Logger
Remote Telemetry Data Logging