



Specifications

Sensor Type	Vibrating Wire Sensor
Number of Instruments	1 Channel
Measuring Range	450~6000Hz
Accuracy	±0.01%
Resolution	0.01Hz
Storage	8GB Micro SD Card
Network Module	NB IoT
Output	MQTT Protocol
Temperature Type	Thermistor Resolution 0.1°C
Power Supply	18650 Li-Lon Battery
Dimensions (WxHxD)	100x100x60mm (not included antenna)

VW Dot

Introduction

VW Dot is a vibrating wire datalogger with latest NB-IoT wireless transmission technology, measuring vibrating wire sensor frequency, and thermistor temperature signals.

VW Dot is designed with a robust and waterproof enclosure that complies with IP67 standard and low power consumption. Using a 18650 Li-Lon rechargeable battery, VW Dot can provide long-term measurement recording and data uploading to the cloud instantly. Its built-in 8 GB SD card can back up and store more than 1 million recording data.

The VW Dot is a reliable, low-cost datalogger designed for all kinds of vibrating wire sensors, applications for civil engineering such as water level, water pressure, load, stress, strain, crack, structure displacement and other instruments in urban civil engineering, river water conservancy, bridge engineering, and slope engineering, etc.

Application

- Water level : VW water level gauge and VW piezometer measurement
- Stress : VW Rebar Strain gauge measurement
- Strain : VW Strain gauge measurement
- Anchor load : VW load cell measurement
- Structural cracks : VW crackmeter measurement
- Landslide : VW displacement gauge measurement

Features



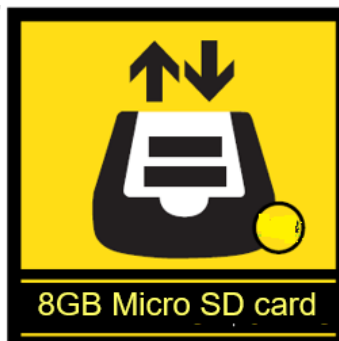
Easy Operation

Easy deploy by SD card setting connect to the computer upload data to cloud via NB-IoT



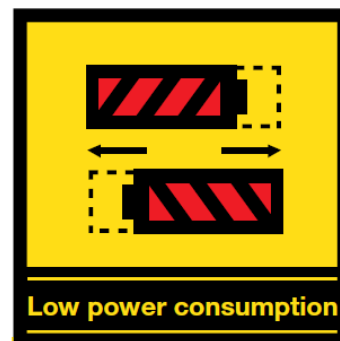
IP65 waterproof

Waterproof IP65 standard enable to deployed outdoor



8GB Micro SD card

The 8GB built-in Micro SD card can store above 1,000,000 records.



Low power consumption

RSSI ≥15 at least 12 months battery capacity
RSSI ≤15 at least 6months battery capacity at reading rate of 1/hour