



## Vibrating Wire Analyser



### APPLICATIONS

Reads, displays, and logs both vibrating wire sensors and thermistors

### FEATURES

Precise measurement

PDF report output

Field ready

Integrated GPS

Easy to use

Graphical display

Measures all vibrating-wire sensors

Low-power operation

The VW Analyser is field-ready to measure quickly any vibrating wire sensor, save the data, and communicate results.

Measurements are geo-located with the integrated GPS, allowing the VW Analyser to verify locations and direct you to your sensors.

A large colour display and easy-to-use menus let you see and understand how the sensor is working, troubleshoot sensor installation in the field, and get real-time results of system performance. It also creates custom PDF reports and spreadsheets that can be quickly transferred with a USB connection.

The analyser can measure all vibrating wire sensors including strain gauges, piezometers, pressure transducers, tilt meters, crack meters, and load cells.



# Vibrating Wire Analyser

## Specifications

### MEMORY

1,700 site/sensor measurements (most recent)
40 unique sites, 22 sensors per site
240 single measurements (most recent)
16,500 continuous measurements (most recent)
80 MB USB memory (PDF, CSV, VWA, and other files)

### GENERAL

GPS	±5 m typical (±1 ms time sync)
Channel Count	1 channel (vibrating wire and thermistor reading)
Enclosure	IP62
Battery Type/Life	5 AA (1.5 V) 20 hours continuous use
Operating Temperature	-20° to +70°C
Compliance	CE, RoHS
USB Mini B	Direct connect to PC (Supplies power to retrieve data.)
Warranty	One year against defects in materials and workmanship
Dimensions	200 x 100 x 58 mm
Weight	0.34 kg

### MEASUREMENTS - VIBRATING WIRE

Vibrating-Wire Frequency Range	300 to 6500 Hz
Resolution	0.001 Hz RMS
Accuracy	±0.005% of reading
Excitation	2 V, 5 V, 12 V (user-selectable)
Method	VSPECT (Vibrating-Wire Spectral Analysis)
Measurement Interval Range	1 s to 15 min (continuous reading mode only)

### MEASUREMENTS - THERMISTOR

Resolution	0.01 Ω RMS
Accuracy	±0.15% of reading

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