

Vibrating Wire Readout VWR1

A compact manual readout unit which can be used with all types of vibrating wire sensors.

Colour coded connections make the VWR1 easy to use with any type of sensor cable



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Overview



The Geosense® VWR1 is a compact manual readout unit which can be used with all types of vibrating wire sensors.

Colour coded connections make the VWR1 easy to use with any type of sensor cable.

The simple display means that you do not have complicated multiple screen menus and can be operated with a simple button configuration.

The VWR1 comes with a rugged lightweight carry case and a colour coded cable complete with crocodile clips.

APPLICATIONS

Manual readout for:

Piezometers

Load cells

Strain gauges

Rod extensometers

Settlement systems

Joint meters & crack meters

Pressure cells & NATM cells

FEATURES

Displays frequency & temperature

Small & lightweight

Easy to use

Simple keyboard buttons

Audible sound option

Easy to see

Runs off AA batteries

Displays battery status

Fully CE compliant

Vibrating Wire Readout VWR1

Specifications

GENERAL

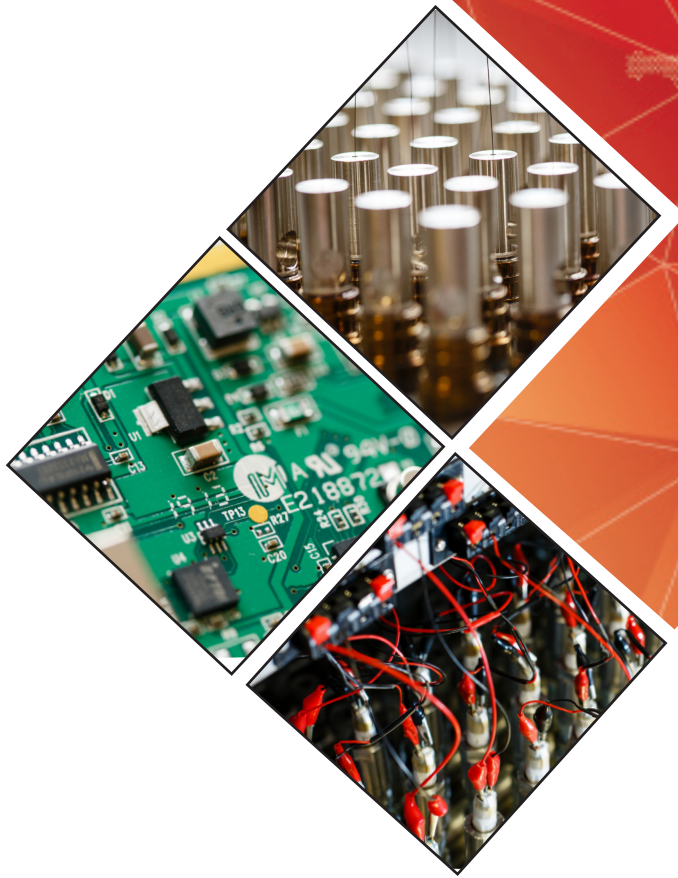
Signal inputs	Vibrating wire, 3K NTC
Internal Power Supply	4 x 1.5V AA Alkaline Batteries
Operating Power Consumption	150mA
User Interface	6 Button Keypad, 4 x 20 Backlight LCD Display, VW Audio Feedback
Operating temperature	-20 to +60 °C
IP rating	IP65
Dimensions L x W x H	165 x 90 x 44mm
Weight	520g - includes batteries and cable
Cable	4 core PUR sheath

MEASUREMENTS - VIBRATING WIRE

VW Range	600-6000 Hz
Resolution	0.1Hz
Accuracy	<0.01% FSO
Excitation	6V
Reading method	Time domain
Measurement interval range	Manual, 2-second refresh

MEASUREMENTS - THERMISTOR

NTC range	1376 - 29500 Ohms, -20 to +60°C
Resolution	0.1 Ohms (0.1°C)
Accuracy	<0.1% FSO



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