

## 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 just two simple buttons.

The VWR1 comes with a rugged lightweight carry case complete with battery charger and colour coded "jumper cables" complete with crocodile clip.

### 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

Re-chargeable battery

Displays battery status

Fully CE compliant

# Vibrating Wire Readout VWR1

## Specifications

### GENERAL

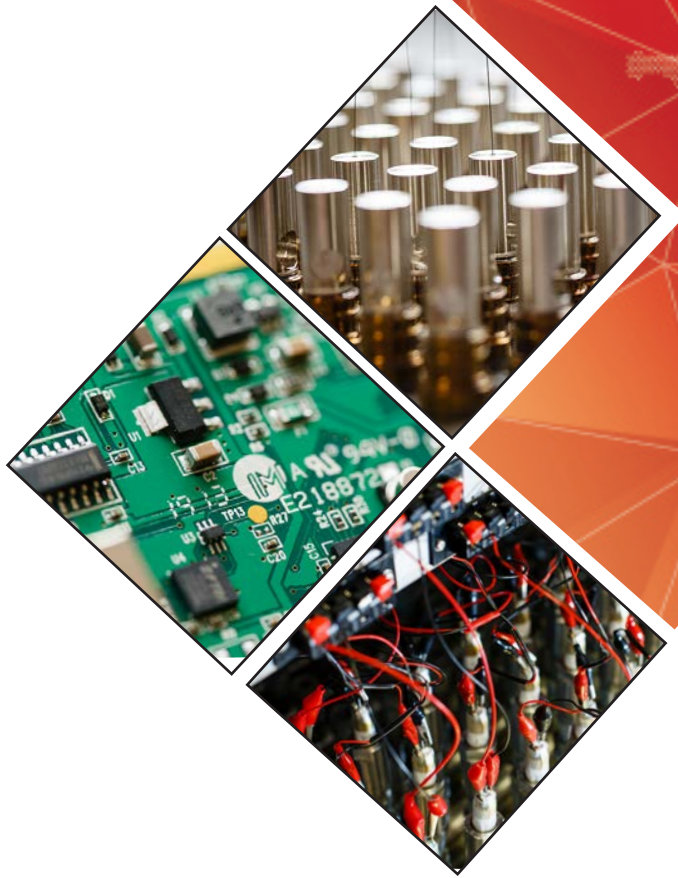
Signal inputs	Vibrating wire, NTC
Internal Power Supply	9,6Vdc 800mAh Ni-Mh battery pack
External Power Supply	Only Battery Charger for Ni-Mh chemistry, es. Batt.Ch. For MP12 and VWR1
Operating Power Consumption	80mA
User Interface	2 Button Keypad, 128 x 64 backlight LCD Display, VW audio feedback
Operating temperature	-20 to +70 °C
IP rating	IP40
Dimensions L x W x H	120 x 85 x 35mm
Weight	360g

### MEASUREMENTS - VIBRATING WIRE

VW Range	256 - 4999 Hz
Resolution	0.1Hz
Accuracy	±0.01% of reading
Excitation	12 Volt
Reading method	Time domain
Measurement interval range	Manual, 2-second refresh

### MEASUREMENTS - THERMISTOR

NTC range	1 - 39000 Ohm
Resolution	0.6 Ohm
Accuracy	±0.15% of reading



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