



MODEL 9140

The Geotechnical Systems Australia Pty Ltd [VW Data Logger](#) has been designed to measure up to eight channels of vibrating wire instrumentation. Being IP68 rated, it is ideal for geotechnical applications and when deployed as a stand alone logger has a wide range of applications.



APPLICATIONS

Measurement of

- VW Piezometers
- VW Strain Gauges
- VW Stress Cells
- VW Pressure Cells
- VW Temperature Gauges

FEATURES

- IP68 Rating
- Stand Alone System
- Multiple Power Options
- RS232 Communications Interface
- Up to 8 Input Channels
- Over 1000 Scans Available
- Menu Driven User Options
- Simple Sensor Connection

Vibrating Wire Data Logger

SPECIFICATION

VW DATA LOGGER

Model 9140

PHYSICAL SPECIFICATION

Size: 160mm high x 200mm wide x 100mm deep
Weight: 3kg (3.2kg with GSM option)
Material: Powder-coated die-cast aluminium
Sealing: IP68
Temperature: Operation -20°C to +55°C
Storage -25°C to +70°C

ELECTRICAL SPECIFICATION

Power Internal Battery: Sealed Lead Acid 12V, 1.3Ah
240V Plug-pack Charger Module

Options: 10W Solar Charger
Extended capacity external battery
(with GSM option only)
Primary Lithium Cell, 12V, 2Ah

Data Logging Input Channels: Up to a maximum of eight
Storage Capacity: 1016 scans of vibrating wire data
(inc Time and Date information)
Data Backup: 10 years without primary power
Logger Timing: Real-time clock, non-volatile operation
10 year count without primary power
Scanning Intervals: Choice of 5 preset scanning intervals
(10min to 24 hours)

Communications Baud Rate: 9600 baud, 8 data, 1 start, 1 stop, no parity
Data Format: Data ($\text{Hz}^2 \times 10^{-3}$ units), Time, Date
Data Separator: Tab separated columns, text format
Data Recovery: Custom WIN95 Interface Software

Modem Option Type: Wavecom WM02-G900 Class 4 GSM
Baud Rate: 9600 baud, Non transparent mode
SIM Card: Micro-SIM