

VIBRATING WIRE DATA LOGGER

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



ISO 9002 Lic 4022
Standards Australia

GEO TECHNICAL SYSTEMS AUSTRALIA PTY. LTD.

Specialists in Geotechnical Instrumentation

ACN 006 720 887
ABN 28 006 720 887



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

Because Geotechnical Systems is continually improving its products and processes, information contained within this brochure is subject to change without notice.

For more information or to discuss your application, contact...

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