

EXTENSOMETER DATA LOGGER

MODEL 9640

The Geotechnical Systems Australia Pty Ltd [Extensometer Data Logger](#) has been designed to measure up to twenty four channels of 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

- Rod Extensometers
- Wire Extensometers
- Deep Hole Extensometers
- Resistance Wire Extensometers
- Potentiometric Crack Meters
- Convergence Monitors

FEATURES

- IP68 Rating
- Stand Alone System
- Multiple Power Options
- RS232 Communications Interface
- Up to 24 Input Channels
- Menu Driven User Options
- Simple Sensor Connection
- Leadwire Compensation



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)
Data Logging	Three User Selectable Input Configurations	
	1 Extensometer:	3 x Extensometers with 3 x Anchors Each or 3 x Extensometers with 6 x Anchors Each
	2 Convergence:	8 x Individual Instruments
	3 Voltage:	24 x Individual Channels
	Storage Capacity:	Average 1016 scans
	Data Backup:	10 years without primary power
	Logger Timing:	Real-time clock, non-volatile operation
		10 year count without primary power
	Scanning Intervals	Ranges from 10 minutes to 24 hours
	Excitation Voltage:	4V DC
Resolution:	1mV DC	
Communications	Baud Rate:	9600 baud, 8 data, 1 start, 1 stop, no parity
	Data Format:	Time, Date, mVolt Units
	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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