

# EXTENSOMETER READOUT

## MODEL 9600

The Geotechnical Systems Australia Pty Ltd [Extensometer Readouts](#) have been designed to measure displacements in millimeters and are used in conjunction with either the Model 4000-06 Rod Extensometer Remote Reading Head (150mm Range) or the Model 4015-01 Wire Extensometer Headframe (1000mm Range).

The readouts are rugged, accurate and can tolerate long cable lengths to the reading location.

## APPLICATIONS

Measurement of movements in

- Tunneling
- Open Cut Mines
- Underground Mines
- Dam construction
- Large excavations
- Embankments
- Structures



**GEO** TECHNICAL SYSTEMS AUSTRALIA PTY. LTD.

ACN 006 720 887



Specialists in Geotechnical Instrumentation

SPECIFICATION	EXTENSOMETER READOUT		Model 9600
<b>Model Number</b>	<b>9600-01</b>	<b>9600-02</b>	
<b>Range</b>	0 – 150 mm	0 – 1000 mm	
<b>Sensitivity</b>	0.1 mm	0.1 mm	
<b>Dimensions</b>	175 x 80 x 60 mm	210 x 100 x 55 mm	
<b>Weight</b>	300 grams	400 grams	
<b>Material</b>	ABS Plastic	ABS Plastic	
<b>Battery</b>	9 Volt	9 Volt	
<b>Battery Life</b>	16 Hours Minimum	16 Hours Minimum	
<b>Sensor Excitation</b>	2.5 Volt	2.5 Volt	
<b>Maximum Cable Length</b>	500 m	500 m	

## OPERATION

The [Extensometer Readout](#) consists of a LCD screen, a power button and a rotary switch to select the appropriate anchor channel to be read. The output of the LCD screen is in millimeters.

### 9600-01 - 150mm Range

To obtain a reading on one of the six anchors of the Rod Extensometer MPBX [Model 4000](#) simply select the appropriate anchor number on the rotary switch and book the reading by hand.

To obtain a reading on the single anchor of the Single Point Extensometer SPX [Model 4010](#) simply select anchor position one on the rotary switch and book the reading by hand.

### 9600-02 - 1000mm Range

To obtain a reading on one of the ten anchors of the Wire Extensometer Model 4015 simply select the appropriate anchor number on the rotary switch and book the reading by hand.

If the headframe has more than 10 anchors use the second plug for anchors 11 – 20.

If the headframe has a different range to 1000mm simply multiply the readings by a scale factor. EG For a 3000mm range headframe multiply observed readings by a factor of 3.

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...**

**1/72 Bayfield Road  
Bayswater  
VIC 3153  
Australia**

**GEO** TECHNICAL SYSTEMS AUSTRALIA PTY. LTD.

ACN 006 720 887



Specialists in Geotechnical Instrumentation

*Phone*  
**+61 3 9720 5950**  
*Fax*  
**+61 3 9720 5942**  
*E-mail*