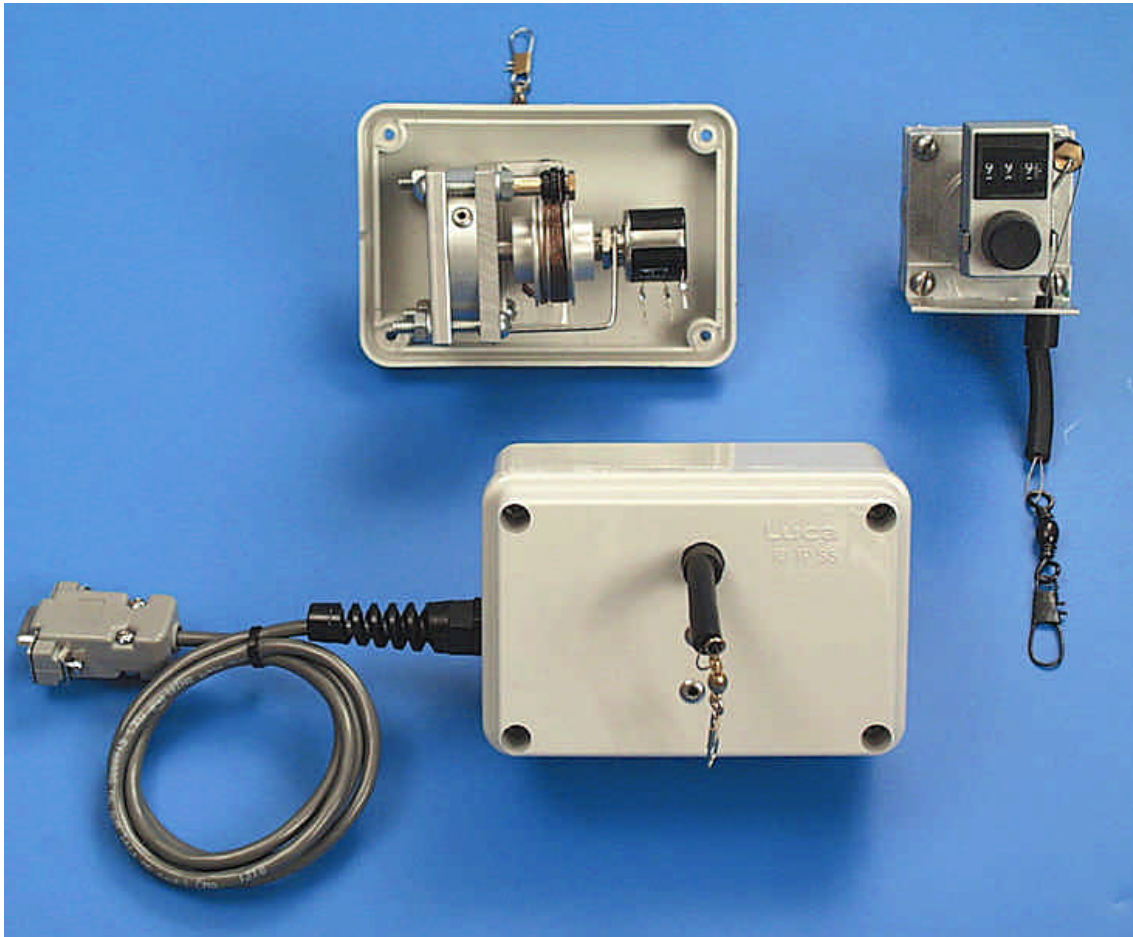


CONVERGENCE MONITOR

MODEL 4420

The Geotechnical Systems Australia Pty Ltd **Convergence Monitor** measures the displacement between two fixed points. It has a range of 1000 mm and can span greater distances with extension wires. It can be read with a digital counter, hand held readout, extensometer monitor or be connected to a data logger.



APPLICATIONS

- Tunnelling
- Open Cut Mines
- Dam Construction
- Large Excavations
- Construction Control

FEATURES

- Simple installation
- Suits a wide range of applications
- Capable of interrogation by a variety of readouts and loggers
- Can provide alarm triggers when used with extensometer monitor or a datalogger



**Quality
Endorsed
Company**

ISO 9002 Lic 4022
Standards Australia

GEO TECHNICAL SYSTEMS AUSTRALIA PTY. LTD.

ACN 006 720 887



Specialists in Geotechnical Instrumentation

SPECIFICATION	CONVERGENCE MONITOR	Model 4420
Dimensions	115mm x 75mm x 60mm	
Weight	550 grams	
Range	1000 mm	
Resolution	0.1 mm	
Measurement Options	Digital Counter, Handheld Readout, Extensometer Monitor or Data Logger	
Anchor Size	600mm x 25mm x 5mm	
Anchor Weight	600 grams	

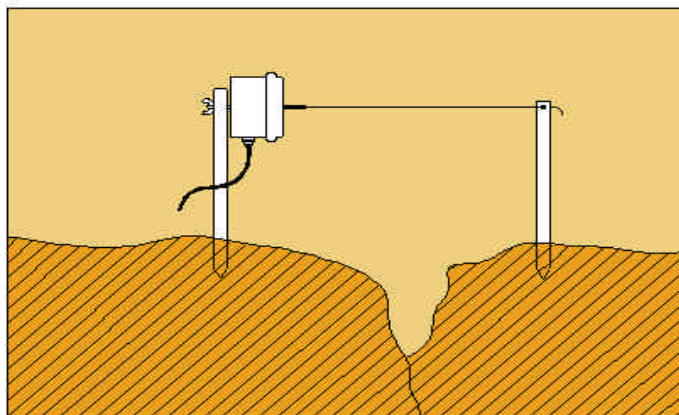
INSTALLATION

The convergence monitor is installed by driving two stakes into the ground either side of the zone of movement and fixing the convergence monitor to the stake on the up slope or stable side of the zone. The 1 m long spring loaded wire is then pulled out and connected to the stake on the down slope or unstable side of the zone. Should the distance between stakes exceed 1 m then extension wires may be employed to bridge the gap. The instrument is then connected to the chosen readout system and an initial reading taken. This reading is used as a base value to compare further readings to. The change in displacement between the two stakes can then be calculated every time a reading is taken. For more advanced systems using the extensometer monitor or a datalogger, alarm thresholds can now be set and the system connected to a remote alarm consisting of a 12 volt double strike xenon beacon and a 120dB(a) pulsed tone audible siren. Alternatively the system can be configured to provide a relay contact closure that can be used to trigger a client specified alarm system such as a two-way radio announcement. Other configurations can be designed in discussion with a Geotechnical Systems Engineer.

ORDERING INFORMATION

When ordering, please also specify

- Model Number and Quantity
- Cabling Requirements
- Number of Anchors
- Extension Wire Lengths
- Readout or Logging Requirements
- Any Custom Requirements



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.



Specialists in Geotechnical Instrumentation

ACN 006 720 887

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

Rev3 29-05-00

geotech@geotechnicalsystems.com.au