

# ROD EXTENSOMETER METHODOLOGY

## MODEL 4000

MS4000-01

The Geotechnical Systems Australia Pty Ltd [Rod Extensometer](#) monitors the changing distance between points by dial gauge, digital indicator or potentiometric transducer.

## MANUFACTURE AND SUPPLY

Geotechnical Systems manufacture the Rod Extensometer. Extensometers are held in stock in component form, they are built to suit the client's requirement when the order is placed. Should the order be in excess of our standard stock level then Geotechnical Systems will prepare an acceptable schedule of deliveries in consultation with the client to suit the construction program. Extensometers are supplied by nominated courier or delivered to site by Geotechnical Systems staff. The extensometers are calibrated prior to shipping and calibration sheets are enclosed as well as held in our client database. Geotechnical Systems is a Quality Endorsed Company conforming to AS/NZS ISO 9002:1994 and AS/NZS ISO 9001:2000.

## INSTALLATION

### Borehole

The borehole size should be established prior to ordering to ensure the correct fit. Holes should be blown out free of debris prior to installation.

### Installation

The instrument should be installed in accordance with the appropriate installation manual.

Either:

Model 4000 Rod Extensometer Installation Manual,  
Model 4000 (SIPT) Rod Extensometer Installation Manual or,  
Model 4000 (StPT) Rod Extensometer Installation Manual.

## CABLING AND TERMINATION

Cabling will be run to the intended termination point (Datalogger or Terminal Box) and clearly marked. The cabling may be open run, direct burial or run in conduit as per the client's instructions. Joins will be avoided wherever possible. For large groups of instruments multi-core cable may be employed. Termination will be within an enclosure and will include lightning protection whenever possible.

## COMMISSIONING

Geotechnical Systems will commission instrumentation in the presence of the client's representative. Training will be given in the use of the equipment as required. A record of all installation data will be kept and provided to the client after commissioning is complete.

## WARRANTY

All Geotechnical Systems products are warranted for a period of 3 months from date of supply.



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

Specialists in Geotechnical Instrumentation

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