

# VIBRATING WIRE PIEZOMETER METHODOLOGY

## MODEL 1200

MS1200-01

The Geotechnical Systems Australia Pty Ltd [Vibrating Wire Piezometer](#) can be installed in a number of ways. This document details our standard methodology for each of these options.

## MANUFACTURE AND SUPPLY

Geotechnical Systems are the sole Australian manufacturer of Vibrating Wire Piezometers. All other brands are imported. Piezometers are held in stock with no cable attached, this is added as per 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. Piezometers are supplied by nominated courier or delivered to site by Geotechnical Systems staff. The piezometers are calibrated at the factory to NATA standards 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

### Standpipe

In pre-existing standpipes the instrument is installed in accordance with our Operating Instructions Vibrating Wire Piezometer (Model 1200)

### Borehole

When a piezometer is to be installed in a borehole the hole is usually drilled by others. The driller may be employed by the client, main contractor or by ourselves. Geotechnical Systems will attend site and supervise the drilling and installation of the piezometer as required. The instrument will be installed in accordance with our Operating Instructions Vibrating Wire Piezometer (Model 1200)

### Embankment

Piezometers are usually installed in embankments during the filling operation. Geotechnical Systems will attend site to train personnel on the correct procedure as detailed in our Operating Instructions Vibrating Wire Piezometer (Model 1200)

## CABLING AND TERMINATION

Cabling will be run to the intended termination point (Datalogger or Terminal Box) and be clearly marked. The cabling may be direct burial or run in conduit as per the client's instructions. Joins will be avoided wherever possible. For large groups of piezometers 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.



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