

# STANDPIPE PIEZOMETER

## MODEL 1000

### APPLICATIONS:

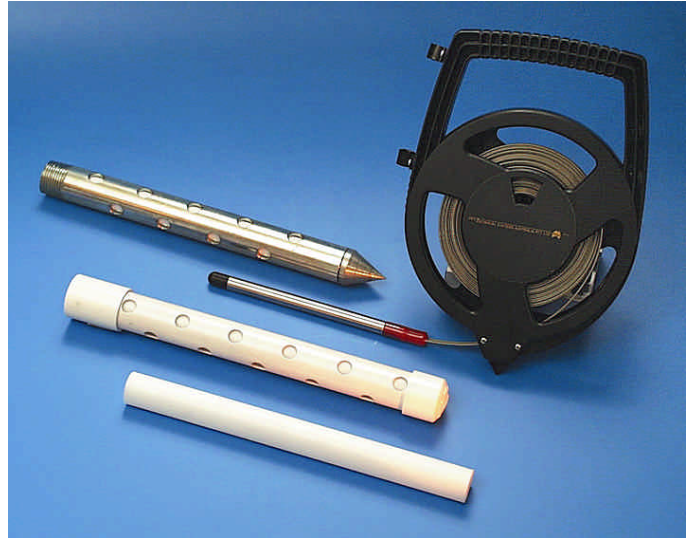
For measurement of water pressures in ground where the time lag and high displacement requirements inherent in standpipes are not crucial and where the presence of standpipes will not hinder construction. To avoid the inaccuracies and time consuming procedure of using a water level indicator, a bubbler system can be incorporated. Bubbler systems will also allow remote reading, or automatic data acquisition capabilities. Bourdon tube gauges may be attached to monitor artesian pressures.

Typical applications would include:

- Monitoring of pore pressures in dams and embankments
- Slope stability investigation
- Leachate extraction
- Groundwater sampling and monitoring
- Dewatering and drainage operations

### FEATURES:

- Protected filter element.
- Uniform 70 micron porosity.
- Smooth filter element resists clogging.
- May be cleaned by back flushing.
- Excellent chemical resistance.
- Drive-in models available.
- The large number of uniform pores permit high permeability in a short length. In order to obtain the same open area as a 300mm length of plastic filter material, one would require 7m of standard 25mm slotted pipe.



### ANCILLARY EQUIPMENT:

- Bentonite Pellets
- Protective Enclosures
- Bubbler Readout Systems
- Automated Data Acquisition Systems
- Water Whistle

### SPECIFICATIONS:

- Maximum O.D. 3.33 cm/1.32 in.
- Length 35.4 cm/13.95 in.
- Filter Area 245 sq. cm/37.69 sq. in.
- Body Material 1" PVC
- Pore Diameter 70 micron
- Permeability  $3 \times 10^{-4}$  m/s (low air entry)

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  
ABN 28 006 720 887



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

geotech@geotechsystems.com.au

Rev 1 03-03-03