



Geonor M-605 series High Performance Piezometers



Push-in Vibrating Wire Piezometer

FEATURES:

Installation in soft soils or loose soils
by "push-in" penetration
Short installation time compared to
drilling and sealing boreholes
Proven long-term stability in harsh
underground environments
Complete digital sensor, no analog
low voltage signals

Galvanically isolated from drill rods
using non-metallic adapter
Self-sealing eliminates need to seal
borehole with bentonite pellets or
chips



THE GEONOR M-605 SERIES VIBRATING WIRE PIEZOMETER

The Geonor M-605 series piezometers are vibrating wire sensors which are installed by pushing into soft and loose soils without having to drill a borehole.

As with all other Geonor vibrating wire piezometers, the M-605 series offer the maximum reliability available for continuous pore water pressure or ground water level measurements. Geonor's unique design combined with continued technical improvements has made the vibrating wire sensor the most reliable equipment available, whenever accuracy and long term stability are of vital importance.

Accuracies better than 0.5% of full scale have in effect been fully documented by performance surveys carried out by the Norwegian Geotechnical Institute for more than 25 years.

Comprehensive experience combined with continuous innovation are the key to the high performance of Geonor's piezometer.

An example of this is the unique Geonor twin-magnet system which gives both faster and more consistent readings than "pluck and read" vibrating wire piezometers.

Sensor	M-605
Pressure range (3)	Standard: 3 Bar - 25m cable Other ranges on order
Part number	400500
Accuracy (%FS)	Better than $\pm 0.5\%$ FS
Temperature range (2)	-20°C to + 60°C
Resolution (%FS)	Better than 0.025% FS
Max.temp.coeff. (1)	0.2 % FS/°C
Safe over-pressure	2 x rated pressure
Standard filter	Sintered bronze
Optional filter	Carborundum
Housing material	Stainless steel
Membrane material	Stainless steel
Size, mm (L x Dia)	1050 x 33.7
Cable type	Twin jacket
High air-entry resistance value filter, 1-5 bar	Optional

- (1) The actual values will be better as each sensor is individually calibrated
The sensor can be calibrated at working temperature specified by customer
- (2) Other temperature ranges on request
- (3) 1 bar, =• 10.2 m (33.5 ft) of water column 14.5 psi