

Elastmeter

The Elastmeter is a borehole lateral load tester designed to figure out deformation characteristics of the ground ranging from soft rock to hard rock. The deformation characteristics become useful information especially for the construction of large scale structures such as dams, bridges and high-rise buildings.

The Elastmeter has a range of probes to provide pressuremeter tests of rock in BQ (60 mm), NQ (76 mm) and HQ (98 mm) boreholes. Both pressure and displacement are measured directly in the probe using electrical transducers. A mechanical arm is used for the measurement of displacement making maintenance easier. Applied pressure is measured by a precise semi-conductor transducer in the probe.

Pressuremeter and data recorder:

The system comes complete with data recorder, probe and cables for up to 200m use.

SPECIFICATION:

Specifications

Probe Types:	BQ (60 mm), NQ (76 mm) and HQ (98 mm)
Max Pressure:	20MPa
Deformation range:	BQ Probe 66-80mm NQ Probe 76-90mm HQ Probe 100-115mm
Probe Diameter:	BQ Probe 62mm NQ Probe 72mm HQ Probe 96mm
Weight:	BQ Probe 20kg NQ Probe 20kg HQ Probe 30kg

Part Numbers

Model 4023	Elast Recorder
Model BQ	Elastmeter Probe BQ
Model NQ	Elastmeter Probe NQ
Model HQ	Elastmeter Probe HQ
Model 4185	High Pressure Pump
04181-2001	Control Cable 100m
Model 4153	High Pressure Cable
04181-4024	Carrying case for probe - wooden
04149-6005	Tool Kit
04154-4005	Calibration pipe 76mm I.D for NX
04154-4007	Calibration pipe 82mm I.D for NX
15491-2010	Packer tube for NX - hard
01167-0501	Battery pack with carrying bag
12539-2015	Battery charger - 100 or 220V AC
12539-9001	Step-down transformer

