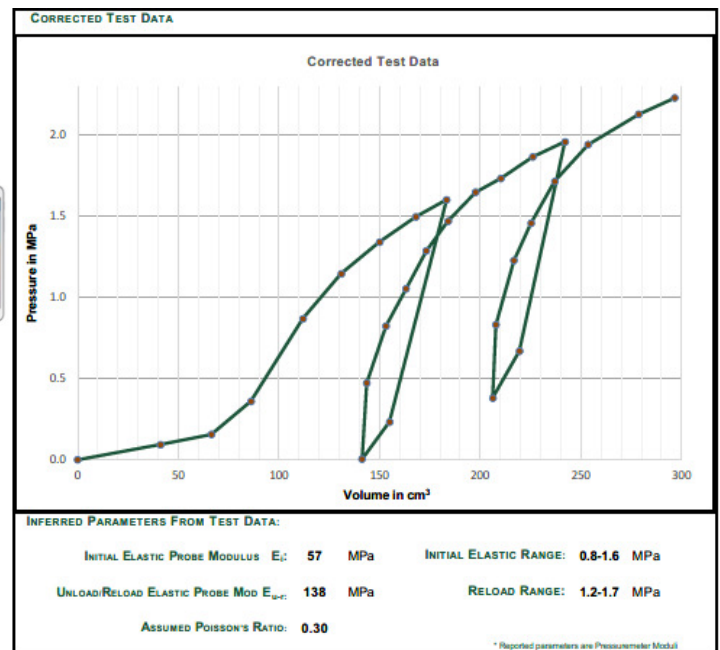




EXPLANATION SHEET

TEXAM^e PRESSUREMETER 10,000kPa maximum pressure 74mm diameter – for soil and weak rock

23 February 2021



- Roctest 74mm diameter Pressuremeter for testing firm and medium dense soils to very low strength rock in N-sized or similar boreholes.
- Testing can be undertaken from firm clay and some medium dense sands, up to very low strength rock; edging into low strength rock.
- Load, unload and reload cycles possible.
- Probe maximum pressure capacity = 10MPa.
- Maximum test depth – currently ~60m.
- Pressure and volume measured by transducers with Bluetooth electronic logging and real-time graphing.
- Optimum borehole diameters between 75mm and 80mm.

The pressuremeter is a well-established geotechnical test that yields a stress strain type of curve from which different geotechnical parameters can be derived, including:

- In situ lateral stress – K_0 .
- Young's Modulus E .
- Constrained Modulus M (by calculation).
- In some weaker rock types and in soils, strength and friction angle may be obtained by extrapolation.