



SCAN FOR
MORE INFORMATION



NL 5003 X / 007



CONE DIAL PENETROMETER

Standard: BS 1377-2 (2022), BS EN 17892-12

The Cone Dial Penetrometer is a robust, bench-top laboratory apparatus specifically designed for the accurate determination of the liquid limit testing of soils using the cone penetration method. It accurately determines the moisture content at which soil transitions from a plastic to a liquid state, providing reliable and repeatable results for soil classification, geotechnical investigations, and engineering research.

Features:

- **Precision Release Mechanism**
Designed with a precision release mechanism to ensure consistent cone penetration and highly repeatable test results.
- **Easy Operation**
Simple and user-friendly design enables quick test setup and operation with minimal training required.
- **Stable and Sturdy Design**
Robust construction provides excellent stability during testing, minimizing vibration and ensuring reliable test results.

Technical Specifications :

Model Number	NL 5003 X / 007
Mounting Type	Bench-Top
Resolution	0.1 mm
Display Type	Analog Dial
Test Range	40 mm Penetration
Mass of Cone with Sliding Shaft	80 ± 0.08 g
Cone Angle	30° ± 0.2
Cone Material	Stainless Steel
Product Dimension	220 (L) x 280 (W) x 535 (H) mm
Approx. Weight	7 kg
Power	220~240 V, 1 Ph, 50/60 Hz, 0.3 A

Unit Consists Of :

Model Number	Parts Description	Qty
NL 5003 X / 007 – P 001	Penetration Test Cone (30°)	1no.
NL 5003 X / 002 – P 002	Check Gauge Disk (for 30° cone)	1no.
NL 5003 X / 005 – P 003	Sample Container Ø 55 x 40 mm	1no.

*1 Copy of Manual Instruction



NL 5003 X / 002 – P 002



NL 5003 X / 005 – P 003