SOIL > SOIL CLASSIFICATION

SOIL PENETROMETER (Proctor Type)

Code : T310



- The Proctor Penetrometer is used to establish the relationship between moisture content and penetration resistance in fine-grained soils, facilitating rapid field assessments of compaction characteristics.
- By correlating penetration resistance with moisture content, this device aids in determining the optimal moisture level for achieving maximum soil compaction, essential for foundation and earthwork projects.
- The apparatus features a calibrated spring mechanism with a direct-reading scale, ensuring accurate and repeatable measurements across various soil conditions.
- Equipped with a set of interchangeable stainless steel needles of varying diameters, the penetrometer accommodates a wide range of soil types and compaction levels.
- Its portable design and straightforward operation make it an indispensable tool for geotechnical engineers conducting field evaluations and quality control testing.

STANDARDS

ASTM D1558

TECHNICAL SPECIFICATIONS

- Maximum capacity: 40 kgf (90 lbf)
- Spring dynamometer with direct-reading scale

SUPPLIED WITH

- Interchangeable stainless steel needles:
  - Ø 28.55 mm (645 mm^2 / 1 in^2)
  - Ø 24.79 mm (484 mm^2 / 3/4 in^2)
  - Ø 20.22 mm (323 mm^2 / 1/2 in^2)
  - Ø 16.54 mm (215 mm^2 / 1/3 in^2)
  - Ø 12.83 mm (129 mm^2 / 1/5 in^2)
  - Ø 9.07 mm (65 mm^2 / 1/10 in^2)
  - Ø 6.40 mm (32 mm^2 / 1/20 in^2)
  - Ø 5.23 mm (22 mm^2 / 1/30 in^2)
  - Ø 4.52 mm (16 mm^2 / 1/40 in^2)
- Protective carrying case

ORDERING INFORMATION

Item Name	Item Code
NEEDLE for T310 - Ø 28.55 mm	T310P001H
NEEDLE for T310 - Ø 24.79 mm	T310P002H
NEEDLE for T310 - Ø 20.22 mm	T310P003H
NEEDLE for T310 - Ø 16.54 mm	T310P004H

NEEDLE for T310 - Ø 12.83 mm	T310P005H
NEEDLE for T310 - Ø 9.07 mm	T310P006H
NEEDLE for T310 - Ø 6.40 mm	T310P007H
NEEDLE for T310 - Ø 5.23 mm	T310P008H
NEEDLE for T310 - Ø 4.52 mm	T310P009H
PROCTOR PENETROMETER SET	T310X00XH