

PENETROMETER



Overview

A manual penetrometer with a range of 0 to 40mm (400 Pen).

Features

The head is fitted with a two speed elevating mechanism for quick and precise positioning of the penetration tip. Penetration is shown on a 150mm dial, graduated 400×0.1 mm increments, equipped with a slipping clutch pointer. The machined aluminium base has an integral spirit level.

Supplied with 47.5g standard plunger, 50g and 100g plunger weights, and instruction manual.

Applications

Methods

- ASTM D1831 - Standard test method for roll stability of lubricating grease
- ASTM D5 - A standard needle or cone penetrates the sample, under standardized conditions of loading, time and temperature.
- ASTM D217 - Cone Penetration of Petrolatum
- ASTM D937 - The penetration of a product is the depth, in tenths of millimeter, that a standard needle or cone penetrates the sample, under standardized conditions of loading, time and temperature.
- ASTM D1321 - Standard test method for needle penetration of petroleum waxes
- ASTM D1403 - Standard test methods for cone penetration of lubricating grease using one-quarter and one-half scale cone equipment
- ASTM D2884 - Penetration by cone penetration method
- IP 49 - Penetration of Bituminous Minerals
- IP 50 - Determination of cone penetration of lubricating grease
- IP 179 - Determination of cone penetration of petroleum
- IP 310 - Determination of cone penetration of grease - One-quarter and one-half scale cone method
- IP 376 - Determination of needle penetration of petroleum wax
- BS 1377 - Methods of test oils for civil engineering purposes
- BS 2499 Part 3 - Methods of test
- BS 2000 Parts 49, 50 & 179 - Part 49: Determination of needle penetration of



bituminous material. Part 50: Determination of cone penetration of lubricating grease.

Part 179: Determination of cone penetration of petrolatum

- DIN 51 579 - Needle Penetration of Petroleum Waxes
- DIN 51 580 - Cone Penetration of Petroleum
- ISO 2137 - Cone Penetration of Petrolatum
- NF T60-132 - Cone Penetration of Lubricating Grease
- NF T66-004 - Penetration of Bituminous Materials
- NF T60-119 - Cone Penetration of Petroleum
- JIS K2220 - Grease Working Machine - hand-operated type
- EN 1426 - Penetration
- NF T60-140 - Cone Penetration

Specifications

Display 150mm dial, 400 × 0.1mm increments

Penetration Range 0 to 400 Pen (40mm)

Retention/Release Manual

Size (H × W × D) 67cm × 30cm × 33cm

Weight 7kg

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