Nuclear density gauge

ASTM D6938, D2950, C1040 and AASHTO T310

DESCRIPTION:

The Nuclear Density Gauge that is better in performance than any other gauge on the market today with the lowest maintenance and operating costs.

Operation is straightforward and uncomplicated. Menu options are easy to read and navigate. A backlit LCD screen and special scroll functions allow operators to easily read.

The gauge uses advanced microprocessor-based technology to provide highly-accurate measurements of density and moisture that are automatically computed for direct readouts of wet density, dry density, moisture content, per cent of moisture, per cent of compaction (Proctor or Marshall), void ratio and air voids.

MAIN FEATURES:

- Simple to Operate
- Lightweight
- Prompts user

ORDERING:

SL 0771
Nuclear Density Gauge

TECHNICAL SPECIFICATIONS:

Dimensions	Weight
400x220x140 mm	41 kg

Consolidation apparatus

BS 1377:5 / ASTM D2435, D3877, D4546, AASHTO T216

DESCRIPTION:

The One-dimensional Consolidation test is used to determine the consolidation characteristics of soils of low permeability.

Tests are carried out on specimens prepared from undisturbed samples. Data obtained from these tests together with classification data and knowledge of the soils loading history enables estimates to be made of the behaviour of foundations under load.

The consolidation apparatus is rigidly constructed to ensure minimum frame distortion. The frame is designed to load the specimen through a lever arm assembly and one of three alternative beam ratios as 9:1, 10:1 and 11:1.

The beam is fitted with a counterbalance weight and beam support jack. The cell platform will accept the complete range of consolidation cells and is fitted with a central spigot to ensure accurate centring of the cell under the loading..

The fixed ring consolidation cells are manufactured from corrosion-resistant materials and conform to the requirements of the relevant standards. An integral water reservoir is incorporated in the cell which allows the specimen to be inundated when required. All cells are supplied complete with the upper and lower porous disc, pressure pad and cutting (specimen) ring

Consolidation aparatus

BS 1377:5; ASTM D2435; D3877; D4546; AASHTO T216

The Front-Loading Oedometer (consolidation) set comes complete with, cast aluminium frame, the lever arm incorporates 9:1, 10:1 and 11:1 beam ratios. Consolidation cell, dial gauge or displacement transducer and data logger, bench, weights, apparatuses for prepare consolidation samples and calibration disc.

TECHNICAL SPECIFICATIONS:

Dimensions	750x850x1400 mm
Weight (approx.)	180 kg

ORDERING:

SL 0772
Front Loading Oedometer (consolidation), cast aluminum frame, the lever arm incorporates 9:1, 10:1 and 11:1 beam ratios.
SL 0773
Consolidation cell for high pressure, 50 mm specimen dia., complete with upper and lower porous disc, cutter ring and cylinder wall.
SL 0774
Consolidation cell for high pressure ASTM, 63.50 mm (2.5") specimen dia., complete with upper and lower porous disc, cutter ring and cylinder wall.
SL 0775
Consolidation cell for high pressure BS/EN, 75 mm specimen dia., complete with upper and lower porous disc, cutter ring and cylinder wall.
SL 0776
Bench for consolidation with 3 oedometer capacity
SL 0777
Calibration disc for 50 mm dia. consolidation cell, stainless steel
SL 0778
Calibration disc for 63.5 mm dia. consolidation cell, stainless steel
SL 0779
Calibration disc for 75 mm dia. consolidation cell, stainless steel
SL 0780
Set of Weights for consolidation, 16 kg
SL 0781
Set of Weights for consolidation, 32 kg

ACCESSORIES:

SL 0772-1
Set of Weights for consolidation, 50 kg
SL 0772-2
Set of Weights for consolidation, 64 kg
SL 0772-3
Set of Weights for consolidation, 80 kg
SL 0772-4
Dial gauge
SL 0772-5
Digital Dial gauge
SL 0772-6
Displacement transducer
SL 0772-7
Data logger 4 Channel type.
SL 0772-8
Data logger 8 Channel type.