UNIVERSAL > UNIVERSAL TESTERS

UNIVERSAL LOADING MACHINE (Servo-Controlled)

Code : U003



- Universal loading machines in engineering testing laboratories are versatile devices used to perform a wide range of tests, such as Marshall Stability, California Bearing Ratio (CBR), Unconfined Compressive Strength (UCS), and other materials testing standards.
- These machines consist of a load frame equipped with speed selection controls (in mm/min and kN/s) to apply varying loading rates suitable for different test requirements.
- The ability to adjust loading speed and force makes these machines essential for testing the strength, stability, and deformation properties of materials like asphalt, soil, and concrete, ensuring accurate and reliable results in accordance with various testing standards.

STANDARDS

ASTM D1559 • EN 12697-34 • AASHTO T245 • ASTM 1883 • BS 1377-4 • EN 13286-47 • ASTM D2166 • EN 1377-7

TECHNICAL SPECIFICATIONS

- High Precision Load Cell with LVDT
- Complete with TFT Data Aquisition System
- Servo-Controlled system that can perform Marshall, CBR, and Unconfined tests
- Loading Speed can be set between 0.00001 - 51.00000 mm/min
- 220 - 240 V / 50 Hz

Accessories supplied for Marshall Test:

- Breaking Head
- Electronic Measure of Flow

Accessories supplied for CBR Test:

- Penetration Piston
- Electronic Measure of Penetration

Accessories supplied for Unconfined Test:

- Upper and Lower Compression Plates

ORDERING INFORMATION

Item Name	Item Code
UNIVERSAL LOADING MACHINE - Multispeed - 50 kN	U003A050U
UNIVERSAL LOADING MACHINE - Multispeed - 100 kN	U003A100U
UNIVERSAL LOADING MACHINE - Multispeed - 200 kN	U003A200U
LOADING PLATES (Upper and Lower) - Ø 150 mm	U003P001H

FRAME + JACK (Special) - 50 kN	U003P002H
ELECTRONIC BOARD (PCB) for U003	U003P003H
ELECTRONIC CONTROLLING UNIT for U003	U003P004H

OTHER PHOTOS

