UNIVERSAL FLEXURAL TESTING MACHINE (Servo-Controlled)

Code : U018



- Designed for flexural strength testing of a wide range of construction materials including concrete and cementitious beams.
- Electromechanical servo-controlled system ensures precise and repeatable loading with minimal operator intervention.
- Integrated 7" TFT touchscreen control panel provides intuitive user interaction with real-time test monitoring and data logging.
- Adjustable speed control allows testing in compliance with various international standards.
- High-precision 50 kN loadcell ensures Class 1 accuracy and long-term measurement stability.
- Linear potentiometer provides accurate deformation readings up to 50 mm stroke.
- Heavy-duty frame supports large specimens up to 800 x 800 mm, accommodating diverse testing needs.
- Includes robust flexural loading blades for third-point or center-point loading configurations.
- Ideal for research laboratories, construction material producers, and quality control applications.

STANDARDS

ASTM C78 • ASTM C293 • EN 12390-5 • BS 1881 • AASHTO T97

TECHNICAL SPECIFICATIONS

- Maximum Load Capacity: 50 kN
- Load Application System: Electromechanical Servo-Controlled
- Display / Control Interface: 7" TFT Touchscreen
- Load Sensor: Loadcell – 50 kN
- Deformation Sensor: Linear Potentiometer – 50 mm
- Speed Adjustment: Adjustable (mm/min)
- Maximum Specimen Size: 800 x 800 mm
- Power Supply: 220–240 V / 50–60 Hz

EQUIPPED WITH

- Flexural loading blade (third-point/center-point compatible)
- Loadcell and deformation sensor
- Control unit with touchscreen interface
- Safety emergency stop

ORDERING INFORMATION

Item Name	Item Code
UNIVERSAL FLEXURAL TESTER (Servo-Controlled) - 20 kN	U018A020U

UNIVERSAL FLEXURAL TESTER (Servo-Controlled) - 50 kN	U018A050U
FRAME + JACK (without Loadcell) - 50 kN	U018H050H

OTHER PHOTOS

