DIGITAL POINT LOAD TEST APPARATUS AZA1003

The AZA1003 Digital Point Load Test Apparatus is a high-precision hydraulic testing system designed for accurate determination of the point load strength index of rock specimens in both laboratory and field environments.

Equipped with a 60 kN hydraulic load frame and an advanced digital measurement unit, the system ensures high accuracy, repeatability, and compliance with international testing standards. The manual hand-pump hydraulic mechanism provides smooth and controlled load application, while the adjustable frame accommodates both core and irregular specimens up to 102 mm in diameter.

With digital readout, data logging capability, and robust construction, the AZA1003 is ideal for geotechnical investigations, mining applications, and civil engineering material testing.

Key Features

- Hydraulic load frame with 60 kN capacity
- High-precision digital display (2×16 character interface)
- High-resolution measurement system (32,000 divisions)
- ±1% accuracy for reliable and repeatable results
- Dual unit display: kN and MPa
- Adjustable frame for core and irregular specimens up to 102 mm diameter
- Built-in scale for platen spacing measurement.
- Manual hydraulic hand pump for controlled loading
- Serial port for PC connectivity and data logging
- Fully compliant with ASTM testing standards

AZA LAB UNIVERSE

TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA1003
Load Capacity	0 – 60 kN
Display	2×16 Character Digital Display
Accuracy	±1%
Resolution	32,000 Divisions
Load Units	kN / MPa
Max Specimen Diameter	Up to 102 mm
Frame Type	Adjustable Frame with Built-in Scale
Operation	Manual Hydraulic Hand Pump
Data Output	Serial Port (PC Connectivity)
Standards Compliance	ASTM D5731