



**UNIVERSE**

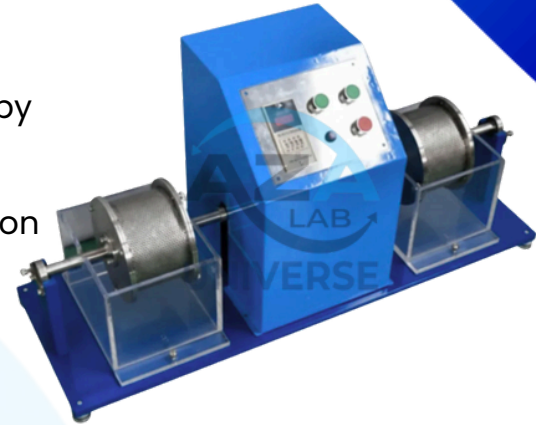
## **SLAKE DURABILITY APPARATUS AZA1005**

The AZA1005 Slake Durability Apparatus is a high-precision laboratory testing system designed to determine the Slake Durability Index (SDI) of weak and weather-sensitive rocks. This apparatus simulates natural environmental conditions by subjecting rock samples to repeated wetting and drying cycles, enabling evaluation of their resistance to disintegration over time. It is widely used in geotechnical engineering, mining, civil construction, and research laboratories for assessing the long-term durability of rocks such as shale, mudstone, marl, and claystone.

Manufactured in accordance with international standards, the AZA1005 ensures accurate, repeatable, and reliable test results.

### **Key Features**

- Accurate determination of slake durability index (SDI)
- Twin stainless steel mesh drums for simultaneous testing
- Fully compliant with ASTM and ISRM testing standards
- Corrosion-resistant stainless steel water tank
- Constant-speed geared motor for uniform drum rotation
- Digital timer for precise control of test cycles
- Robust, low-maintenance construction
- Suitable for laboratory and academic use





**UNIVERSE**

**TECHNICAL SPECIFICATION**

<b>Parameter</b>	<b>Specification</b>
Model	AZA1005
Drum Type	Twin Stainless Steel Mesh Drums
Drum Diameter	140 mm
Rotation Speed	20 ± 2 RPM
Motor	1/4 HP Geared Motor
Timer	Digital (Up to 60 Minutes)
Bath Tank	Stainless Steel
Applicable Rock Types	Shale, Mudstone, Marl, Claystone
Standards Compliance	ASTM D4644, ISRM
Power Supply	220 V, 50 Hz
Weight	Approx. 35 kg

**Standard Compliance**

Designed and manufactured in accordance with:

- ASTM D4644 – Slake Durability of Shales and Similar Weak Rocks
- ISRM Suggested Methods – Rock Durability Testing