



UNIVERSE

DEFLECTIONS OF BEAMS APPARATUS AZA1339

The AZA1339 Deflections of Beams Apparatus is a comprehensive experimental setup designed to study the deflection characteristics of beams under various loading and support conditions.

Widely used in:

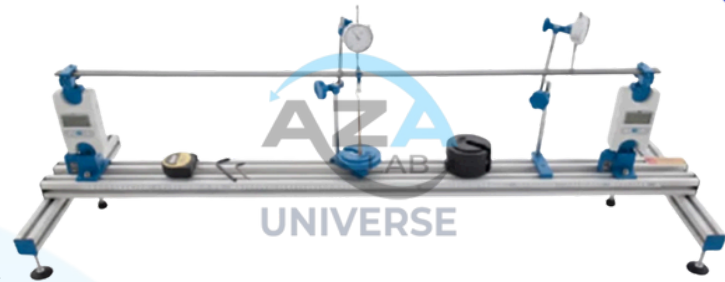
- Strength of Materials laboratories
- Structural Mechanics practicals
- Civil Engineering laboratories
- Mechanical Engineering teaching programs

the apparatus enables students and engineers to experimentally verify fundamental beam theory and analyze beam behavior under different loading conditions.

The system allows accurate measurement of:

- Beam deflection
- Support reactions
- Load distribution behavior
- Bending characteristics

Using precision digital reaction piers and high-accuracy dial gauges, the apparatus provides reliable and repeatable results for educational demonstrations, laboratory experiments, and engineering analysis.





UNIVERSE TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1339
Beam Span	Up to 1000 mm
Beam Size	1200 (L) × 25 (W) × 5 (H) mm
Beam Material	Steel
Digital Reaction Pier Capacity	±50 N
Reaction Pier Resolution	0.1 N
Reaction Pier Height Adjustment	9 mm
Dial Gauges	2 Nos.
Dial Gauge Range	25 mm
Dial Gauge Resolution	0.01 mm
Base Frame Length	Approx. 1400 mm
Load Hangers	0.5 N × 2



UNIVERSE TECHNICAL SPECIFICATIONS

Parameter	Specification
Hanger Clamps	2 Nos.
Weight Set	Included
Application	Beam deflection and reaction experiments
Brand	AZALAB

