

UNIVERSAL SPRING TESTER

PRODUCT DATASHEET



PRECISION SPRING FORCE & DEFLECTION MEASUREMENT

The Jragrau Universal Spring Tester is a precision instrument designed for accurate measurement of spring force and deflection in both compression and tension modes. Built with a robust mechanical structure and high-resolution measurement system, it ensures repeatable and reliable results for laboratory, quality control, and industrial testing applications.

KEY FEATURES

- Dual mode testing for compression and tension springs
- High resolution force and deflection measurement
- Rugged construction for laboratory and industrial use

APPLICATIONS

- Spring manufacturers and testing laboratories
- Quality control and inspection departments
- R&D and educational institutions

TECHNICAL SPECIFICATIONS

PARAMETER	METRIC (SI)
Type	Universal (Compression & Tension Mode)
Capacity	10, 50, 100, 200, 500, 1000 & 2000 N
Maximum Deflection	300 mm
Uncertainty	$\pm 0.5\%$ of reading ($\pm 1\%$ in universal model)
Resolution	1/20000 & 0.01 mm
Measuring Units	Newton, kgf & lbf
Display	Force & Deflection
Features	Zero, Peak

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PHYSICAL & BUILD

- Manual force application via rotating hand wheel
- Stable base for accurate force measurement

Accessories: Compression pads & tension hooks

CALIBRATION & COMPLIANCE

VALUE	LABEL
Calibration from NABL approved laboratory	Calibration
12 months from date of installation	Warranty