

DUAL RANGE TENSILE TESTING MACHINE

PRODUCT DATASHEET



PRECISION TENSILE FORCE & ELONGATION MEASUREMENT

The JRagrau Dual Range Tensile Testing Machine is a computerized testing system designed for accurate tensile force and elongation measurement across a wide capacity range. Equipped with high-resolution sensing, safety protections, and user-friendly software, it is ideal for material testing, quality assurance, and laboratory applications.

KEY FEATURES

- Computerized operation with graphical and tabular data output
- High accuracy force measurement with overload protection
- Wide capacity range with dual-range capability

APPLICATIONS

- Material tensile testing laboratories
- Quality control and inspection departments
- Research and development facilities

TECHNICAL SPECIFICATIONS

PARAMETER	METRIC (SI)
Type	Computerized
Capacity	25, 50, 100, 500, 1000, 2000, 5000 kgf
Resolution	1 / 10000
Accuracy	±0.5% of test value (10–100%)
Elongation	750 mm
Least Count	0.1 mm
Traverse Speed	1 to 500 mm/min (variable)
Grip Separation	25 mm (min) to 750 mm (max)

DUAL RANGE TENSILE TESTING MACHINE

PRODUCT DATASHEET

PHYSICAL & BUILD

- Rigid mechanical frame for stable testing
- Integrated safety mechanisms
- Industrial-grade construction

Test Mode: Tension

Attachment: 1 set of grips

ELECTRICAL & CONTROL

LABEL	VALUE
Power Supply	230 VAC \pm 10%, 50 Hz
Control	Up, Down, Stop & Speed control via computer and panel