



DIGITAL TENSILE STRENGTH TESTER



Description

The Digital Tensile Strength Tester (Model: KTST-1000) is a microprocessor-based laboratory instrument designed for rapid and accurate determination of tensile strength and tensile energy absorption of materials such as tissue, fabric, rubber, plastic, paper, board, and similar materials. The system is equipped with an imported load cell and DC drive for precise control and measurement. It features digital display, memory for peak load retention, automatic zero setting, and safety mechanisms including overload and over-travel protection, ensuring reliable and efficient performance.

Features

- Microprocessor-based control system
- Digital display for precise measurement
- Memory function for peak load retention
- Automatic zero setting
- Overload and over-travel protection
- Imported load cell and DC drive
- Provides elongation and breaking load results
- High accuracy and reliable performance

Applications

- Paper and packaging industry
- Textile and fabric testing
- Rubber and plastic testing
- Research and quality control labs
- Industrial material testing

Uses

- Tensile strength testing of materials
- Measuring elongation and breaking load
- Quality control testing
- Material performance analysis



KTST-1000

Technical Specifications

Model	KTST-1000
Product Name	Tensile Strength Tester (MICROPROCESSOR BASED)
Pulling Speed infinitely adjustable :	25 to 350 mm/min.
Load Scale graduation according : to following alternatives :	0-5 Kg. and 0-10 Kg. 0-15 Kg. and 0-100 Kg.
Elongation scale :	0-100 mm and 0-50% at 180 mm testing lengths.
Adjustable clamping lengths :	0, 10, 50, 100, 180 and 200 mm.
Stroke :	200 mm.
Width of specimen :	15 mm.
Standard Mains connection :	220 V, SINGLE -Phase 50 Hz, AC/DC 1/2 HP motor.