



# TENSILE TESTING MACHINE DIGITAL



## **BTFT - D Series**

These models are suitable for testing metals and iron, Plastics, Rubber, Ceramics, Fabrics, Composites, Cables and wires.

Load is measured through strain gauge based Load Cell and elongation is through rotary encoder.

Depending upon the customer's requirement a suitable type of grips are available. Extra Load cell can be offered suitable for low load samples.

**TECHNICAL SPECIFICATIONS: -**

Max. Capacity	2500N	5000N	10kN	25kN	50kN
Measuring range	0-2500N	0-5000N	0-10kN	0-25kN	0-50kN
Ranges Least Counts	0.125N	0.25N	0.5N	1.25N	2.5N
Elongation Scale L.C.	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm
Grip separation without Grip :Min Max	25mm 750mm			25mm 600mm	
Variable speed Drive step less variation	5to300mm/min				
H.P.(for standard speed)	1Hp			2hp	
Supply	3Phase, 415Volts, 50HzAC				
Over travel Safety	Provided with each model				

**CONTROL PANEL FEATURES: -**

- Full-fledged sealed membrane alpha numeric keyboard for data entry 16 x 2 Lines LCD Graphics display with backlit for displaying Load and Elongation of crosshead with bigger font size.
- Load indicated with resolution of 0.01% of machine capacity for entire range.
- Elongation is measured with resolution of 0.01 mm.
- Auto detection of overload and over travel and specimen break. On detection of any condition electrical motor is automatically turned off.
- Tare load and Reset Elongation facility to display Peak Load and Elongation at Peak, Load at break, Elongation at break
- RS232C interface for computer connectivity