



# MANUALLY OPERATED DIGITAL SPRING TESTING MACHINE

- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*



**BTLS-S100**



**DESCRIPTION:**

**BTLS-S Series** Manually Operated Digital Spring Testing Machine is mainly used for the testing of conventional mechanical performance indicators of various springs and gas springs for tension and compression purpose. The professionally designed automatic control and data acquisition system realizes the full digital adjustment of the data acquisition and control process. The equipment is suitable for petrochemical, automobile manufacturing, spring factory, plastic and rubber, pharmaceutical packaging, engine and other manufacturing industries and product quality supervision departments at all levels, and is also suitable for teaching demonstration work in colleges and universities.

**FEATURE:**

- Automatic calibration: the system can automatically realize the calibration of the accuracy of the indication value.
- The force value corresponding to the displacement can be read.
- Gear conversion: built-in binning.
- Automatic display: during the whole test process, real-time display of test force, peak and test status.

**TECHNICAL SPECIFICATIONS:**

Model No.	BTLS-S100
Load capacity	100N
Minimum reading value of test force	0.1N
Position / displacement resolution	0.01mm
Effective range of test force	10N-100N
Compression platen diameter	60mm
Tensile test space	230mm
Compression test space	230mm
Max. tested spring diameter	Φ40mm
Standard Power	220/110V, 50/60HZ, 1 phase
Dimensions	500*300*720mm

**STANDARD ACCESSORIES:**

Item Name	Q'ty
High Stiffness Frame	1 set
Loadcell (100N)	1 set
Tensile fixture	1 set
Compression platen	1 set
Display and control system	1 set
Documents (Manual, packing list, certificate)	1 set