

QC-508 Universal Testing Machine

I. Range of Application

QC-508 suitable for testing under 5KN. Apply to wire, fabric, plastic, rubber, tape, paper, electronic etc. with various grips and extensometer.

Designed as table type, convenient for operating, strong structure, small volume, transmission efficiency reach to 85%, less energy loss, high precision, operate easily, expandable, could connect with computer.



QC-508B1



QC-508B2

II. Specifications

Model	B1-Type	B2-Type	A2-Type
Max. Capacity	5kN (500kgf)	2kN (200kgf)	5kN (500kgf)
Stork (Non grip)	800mm	800mm	800mm
Testing Space	ϕ 140mm	ϕ 140mm	ϕ 140mm
Force Resolution	1/10,000	1/10,000	1/10,000
Stork Resolution	0.005mm	0.005mm	0.005mm
Motor	Servo Motor	DC Motor	Servo Motor
Transmission	Ball Screws	Ball Screws	Ball Screws
Speed	1~1000mm/min	25~500mm/min	1~1000mm/min
Sampling Rate	Max. 60Hz	Max. 30Hz	Max. 500Hz

Loadcell	2 Sets	2 Sets	2 Sets / 4 Sets (Option)
Size	50x53x145(H)cm	50x52x150(H)cm	50x53x145(H)cm
Weight	80kg	80kg	80kg
Power Supply	Single-phase, 200~255V, 3A	Single-phase, 200~255V, 3A	Single-phase, 200~255V, 3A
Monitor	Yes	Yes	No
Software	Option	Option	Standard Accessories

III. Advantages / Characteristics

- Various test type: It could measure stress, strain, elongation, tear strength, peel strength, shear strength, yield point, elastic modulus etc. Can memorize 50 sets testing data.
- Simply operation interface: LCD screen with back light, English or Chinese interface selectable, show the force and displacement at the same time, could change various unit.
- Convenient operating function: Could set test speed, direction, stop mode. After setting, simply press one button to start testing. Could set auto return after finishing test. Equip quick disconnection, could change different grips quickly.
- Various Ports: Connect with printer and export data directly. Or control UTM, display curves or data analysis by apply software on the UTM.
- Precise drive system: apply high-performance drive method such as servo motor drive, dual ball screw, timing belt...etc.
- Protection: Up and down limit protection, emergency stop, over load protection, over stroke protection.
- Computer system: apply to Win XP , Vista , Win 7.

IV. Optional Accessories

- Computer (19" TFT, keyboard, mouse, 250GByte)
- Grips
- Software
- Extensometer