

Computer Control Torsion Testing Machine

The loading system of this machine, controlled by computer, rotates load through alternating servo motor and cyclical gear reducer. Torque and twist angle detection uses the high-precision torque sensor and a photoelectric encoder; computer displays dynamically the curve of test torsion angle and torque, rate of loading, peak of power and so on. It is a perfect testing instrument project quality testing section, universities and colleges, research institution and industrial and mining enterprise.



TE 1405/ 1410/ 1420

Specification

Maximum torque of test: TE1405: 500Nm;
TE1410:1000Nm;
TE1420: 2000Nm;
Relative error of torque: $\leq\pm 1\%$;
Range of torsion angle measure: $0\sim 9999.9^\circ$;
Relative error of torsion angle: $\leq\pm 1\%$;
Display of torsion angle: Minimum resolution 0.1° ;
Diameter of clamping sample(mm): $\varnothing 6\sim 20$ mm;
Maximum distance between two collets(mm): ≥ 500 ;
Angle of twist in small-angle measurement: Minimum of resolution 0.0001° ;
Range of reverse speed: $0\sim 540^\circ/\text{min}$, Variable speed;
Precision of speed: $\pm 1\%$;
Direction of test rotation: Bidirectional;
Power supply: $220\text{V}\pm 10\%$, 50Hz

Accessories

Description	TE 1405/ 1410/ 1420
Standard accessories	PC, Printer Torque Sensor, Encoder Servo Motor, Specimen Grip Block, Installation Tools
Optional accessories	Torque Extensometer, Three jaw chuck for sample