

WDW-1,2,5 kN Computerized Tensile Testing Machine



Application

It is applicable for wide range of material for tension, compression, bending, shearing and low cycle test.

Suitable for metal, rubber, plastic, spring, textile, and components testing. It is widely used in the corresponding industries, research and development, test institutes and training centers etc.

Standards:

Load meets or exceeds the following standards: ASTM E4, ISO7500-1, EN 10002-2, BS1610, DIN 51221.

Strain measurement meets or exceeds the following standards: ASTM E83, ISO 9513, BS 3846, EN 10002-4.

Safety: This machine shall conform to all relevant European CE Health and Safety Directives EN 50081-1, 580081-1, 73/23/EEC, EN 61010-1

2.1 Rigid and reinforced Plastics/ Composites:

EN ISO 6259 - parts 1/2/3 Determination of tensile properties of thermoplastic pipes;

EN ISO 527-1 - parts 1/2/3 Determination of tensile properties on plastics;

ASTM D638 Standard Test Method for Tensile Properties of Plastics

ISO 604 Plastics - determination of compressive properties

ASTM D695- Plastics -- Standard Test Method for Compressive Properties of Rigid Plastics

EN ISO 9969 Determination of ring stiffness on thermoplastic pipes;

ISO 14125 Flexural Properties of Fiber-Reinforced Plastic Composites

ASTM D3846 Standard Test Method for In-Plane Shear Strength of Reinforced Plastics;

EN ISO 13968 Plastics piping and ducting systems -Thermoplastics pipes-Determination of ring flexibility;

EN ISO 844 Determination of compression properties;

2.2 Geo-textiles:

BS EN ISO 10319 Geotextiles —Wide-width tensile test;

ASTM D3950 Standard Specification for Strapping, Nonmetallic (and Joining Methods);

JBT 8521(EN 1492-2): Textile slings. Safety. Round slings, made of man-made fibers, for general purpose use;

ASTM D 6775-02 Standard Test Method for Breaking Strength and Elongation of Textile Webbing, Tape and Braided Material;

Specifications

Model	HSTWDW-02E	HSTWDW-05E	HSTWDW-1E	HSTWDW-2E	HSTWDW-5E
Structure	Single column double spaces				
Max. Load	200N	500N	1000N	2000N	5000N
Load accuracy	ISO 7500 Class0.5				
Load range	0.4%~100%F·S				
Accuracy of test load	≤±0.5%				
Load resolution	1/±500000FS				
Resolution of displacement	0.01mm				
Test speed	0.001-500mm/min				
Speed accuracy	within ±0.5% set speed				
Crosshead Travelspace	800mm/1000mm(Heighten model)				
Tensile space	600/800mm(Heighten model)				

Compression space	600/800mm(Heighten model)
Dimension(L*W*H)	500x380x1320mm/min
Wight	110kgApprox
Power supply	AC22V±10%,50Hz/60Hz

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