

HSTWDW-5E 5KN Single column computer control Electromechanical universal 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	WDW-5E
Structure	Single column double spaces
Max. Load(kN)	5
Material	All aluminum alloy surface spray painting shell
Load accuracy	Class 0.5
Load range	0.2%~100%F·S
Load resolution	1/ 500000
Resolution of displacement	0.01mm
Test speed(mm/min)	0.001-1000 stepless arbitrary setting
auto-return speed	0,001-1000 mm/min
sample thinckness	1-3 mm

Speed accuracy	no more than $\pm 0.2\%$ of set speed
Maximum travel of the traverse	1000mm
E-Tensile space(mm)	600 (can be customized)
E-Compression space(mm)	600 (can be customized)
D-Test width(mm)	100
F-Beam travel distance(mm)	1000
Power supply	AC220V $\pm 10\%$, 50Hz/60Hz(can be customized)

HST GROUP Co., LTD.

Jinan Hensgrand Instrument Co., Ltd.

NO. 4915, West Jingshi Road, Jinan 250012, PR CHINA.

Phone/WhatsApp: +86-159 1008 1986

www.hssdgroup.com - e-mail: admin@hssdtest.com