

1T Material Electric Tensile Strength Testing Machine With Panasonic Servo Motor



Accuracy:	±0.5%	Capacity:	10T (100KN)
Elongation Accuracy:	0.001mm	Max. Stroke:	1000mm (including Fixture)
Motor:	Panasonic Servo Motor	Sensor:	Celtron Load Cell
Type:	Tensile Tester	Port:	ShenZhen(customizab

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Download PDF about the Standard

[EN ISO 527-3 - Tensile for Plastic -HD-B604B-S.pdf...](#)
[ASTM D412- Tensile for Rubber - HD-B617-S, HD-B604...](#)

Optional Accessories

- Plastic & Rubber Wedge Clamp
- Metal Wedge Clamp
- Bend Clamp

- Compression Plate
- **Load cell**
- 500kg load cell
- Calibration Certificate
- Calibration Device

Start-Up

Start-up and training

Start-up, training and instrument calibration for the above equipments

- Ø Start-up of the system by a qualified service technician
- Ø Training session on the operation and maintenance of the system
- Ø Calibration with certificate

Shipment :

FOB SHENZHEN or GUANGZHOU(Can be customized)

Warranty:

One-year warranty on all parts, labor is not covered. Warranty coverage include shipment

Main Technical Parameter:

Item	Description
Max. Force	10T (100KN)
Load cell	Germany brand load cell for high accuracy
Control system	PC with windows 7 system
Motor	Panasonic servo motor w/ DC variable speed drive system, high-precision mechanical ball screw rod
Force reading	kgf, lbf, N, KN, T etc
Stoke	1100mm including fixture
Load cell Resolution	1/250,000
Load Precision	within $\pm 0.5\%$
Test speed	0.01~300mm/min (adjustable)
Software	TM 2101
Curves display	Load- elongation, Elongation-time, Time-elongation, Stress-strain
Data display	Max. force, speed, sample information, strength(Kpa, Mpa, N/mm, N/mm ²) etc...
Safety features	E-Stop Over-load protection Upper and lower limit switches Load sensor with automatic retreat

Standard:

Including but not limited to ASTM, JIS, CE, ISO, EN, BS EN, SAE... ETC

Product Features:

Motor system	Panasonic servo motor + Servo driver + High precise ball screw (Taiwan)
Data transmission	RS232
Displacement resolution	0.001mm
Many languages random switching	Simplified Chinese, Traditional Chinese, and English.
Graph scale automatic optimization can make graph to display with best measurement and can implement graphics dynamic switching in the test and has force-elongation, force-time, elongation-time, stress-strain.	
tensile testing machine can save results automatically after test finished, and it is manual filing. It can display maximum force, yield strength, compressive strength, tensile strength, elongation, peel interval maximum, minimum and average, etc.	
User can set parameters of product material such as length, width, thickness, radius, area and so on.	
Control system: a, computer control with TM2101 software; b, Back to origin automatically after the test, c, store data automatically or by manual operation	

Product Description:

100KN Panasonic Servo Motor Material Tensile Testing Machines is a universal testing machine can do tensile strength test, 3 point bending test, bending test, peel strength test for universal materials with different fixtures. This type tensile testing machine be equipped with 100KN Panasonic servo motor, DC variable speed drive system, high-precision mechanical ball screw rod. Precision sensing system and strong maximum test bearing capacity to make test results more accurate, easier to operate.

Tensile Testing Machines overview:

1T Panasonic Servo Motor Material Tensile Testing Machines is widely used in wires & cables, hardware, metal, rubber, footwear, leather, apparel, fabric, belt, steel products, pharmacy and so on, for tensile strength, tear resistance, peel strength, bend strength, shear force, ect with different fixtures according to national and international standards customer required.

1T Panasonic Servo Motor Material Tensile Testing Machines is a kind of electric tensile tester which uses the motor to drive ball screw to move fixture. Place the fixture with sample between the upper and lower fixture, use a given speed to pull sample upward by upper fixture. Load cell above upper fixture will sense tensile strength, and convert the strength into voltage sign and output to the display screen. And the strength value will be displayed automatically.

Image Of 100KN Panasonic Servo Motor Material Tensile Testing Machines:



(universal testing machine) Related products:

<u>HD-609/604</u>	<u>2000 kg (20KN)Max. Force / for Tape, rubber, plastic, textile, waterproof material, wire and cable, net rope, wire, metal rod, fiber, metal chain, metal plate and other materials</u>
<u>HD-611</u>	<u>10T (100KN) Max. Force / for waterproof material, wire and cable, net rope, wire, metal rod, fiber, metal chain, metal plate and other materials</u>
<u>HD-615</u>	<u>5000 kg (50KN) Max. Force / for textile, waterproof material, wire and cable, net rope, wire, metal rod, fiber, metal chain, metal plate and other materials</u>
<u>HD-B616</u>	<u>20KN-1000KN (Hydraulic) load range / for waterproof material, wire and cable, net rope, wire, metal rod, fiber, metal chain, metal plate and other materials</u>