

Overview

High Low Temperature Tensile Testing Machine is equipped with special high and low temperature box . With the temperature protection of sensor, high and low temperature fixtures, and sliding auxiliary, the test is completed. The high and low temperature tensile testing machine is suitable for universal materials testing, for tensile, compression, bending, peeling, tearing, peeling, bursting, fatigue test on metal rod, metal plate, rubber, PU, leather, plastic, foam, sponge, water-proof material, cable, wire, fabric, nettle, non-woven, etc.

Application

1. Deformation under defined load: Test deformation under defined load of tested sample
2. Load under defined deformation: Test load under defined deformation of tested sample
3. Software can issue report with results for max. force, elongation, tensile strength, peel strength, tear strength, compression strength, etc.
4. Tensile Strength Test Equipment can do different test as per customer requirement such as peel test, tear test, compression test, bend test with different clamps.

Standard

GB/T4338-1995 ISO783:1989 metal high temperature tensile test

GB/T13239-2006 ISO15579:2000 metal low temperature tensile test

GB/T228-2002 ISO6892:1998 metal room temperature tensile test

Etc...

Specifications of Tensile Parts

Capacity	50,100,200,500,1000,2000,5000, 10000kg
Unit	g,kg,N,KN,LB (switch-over free)
Operation method	Computer control, Windows operation
Resolution	1/2500,000
Accuracy	≤0.5%
Testing speed	1~500mm/min
Stroke	400,500,600mm(Height can be customized)
Test width	40cm(Can be customized)
Motor	Panasonic servo motor
Kind of drive	high-precision ball screw
Clamp	Customize by customer needs (tensile and compressive clamp)

Specification of Temperature Test Chamber Part

Temperature range	-40°C~100°C (or -70°C, 150°C)
-------------------	-------------------------------

Controlling method	P.I.D.automatic control
Stability	$\pm 2.5\%RH, \pm 1^{\circ}C$
Heating System	SUS#304 stainless steel heater
Cooling system	Fan cooling mode, high efficiency of all sealed compressor
Testing Roon Size	Custom-made as your requirements