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YL-1161 High and Low Temperature tensile Testing Machine

Purpose:

This tester is designed as improved model for environment testing, installation high and low temperature testing chamber, can test tensile, pressure, tearing, shearing, peeling strength, deconvolution strength, ring initial adhesion strength and other physical performance. Can remove the chamber to increase use space and bring convenience when using room temperature tests.

Software Function:

Test & Control System is designed for PC Electronic Universal Testing Machines, PC Hydraulic Universal Testing Machines and PC Compression testers; can conduct tensile, compression, bending, shearing, tearing and peeling test; use PC and interface board for data collection, preservation, processing and printing test result; can calculate max force, yield strength, average peeling force, max deformation, yield point, elastic modulus and other parameters; can conduct curve graphics processing, multi-sensor support, video and image interface, flexible data processing, MS-ACCESS database support, making more powerful function of system.



Specification:

Capacity	1, 2, 5, 10, 20, 50, 100, 200, 500, 1000kg (can select double capacities reparation)
Temperature Range	0, -20, -40, -60, -70℃~150℃
Display	Computer display mode
Force Resolution	1/250,000
Force Accuracy	≤±0.5%
Stroke Resolution	0.005mm
Control Mode	Tensile tester all computerized operation mode
Temp. Control	PID automatic calculation, stable error
Display Accuracy	0.1℃
Temp. Accuracy	±1℃
Circulation System	Fan force circulation system
Heating System	stainless steel heat radiation type of heater
Cooling System	Fan cooling type, high-efficiency compressor, environmental protection cooling medium
Protection Device	Leakage and overload protector, compressor over protector, humidifier temperature protection, temperature limit protection device
Chamber Material	SUS#304 stainless steel
Test Stroke	1300mm (after removing chamber, stand-alone operation and use tensile machine)
Test Width	720mm (after removing chamber, stand-alone operation and use tensile machine)
Test Speed	0.5~500mm/min, can set by computer, with up & down fast adjustment button of grips
Force Unit Switch	Kgf, N, lbf, g, ton, Mpa
Stop Mode	Overload stop, emergency stop button, specimen damage automatic stop, upper & lower limit set automatic stop, automatic reset function
Machine Dimension	110×160×220cm(W×D×H)
Machine Drive	Servo motor drive, synchronous wheel and precision ball screw drive
Power	400W
Machine Weight	Approx 420kg
Power Supply	220V 50/60HZ 30A
Standard Device	Extension pole of grips, heat abstractor, 1 set of grips, computer software, USB computer connection wires
Optional	Personal computer