



HDS series Microcomputer universal Testing machine specification

The product name	Microcomputer control universal Testing machine specification				
Model	HDS-5	HDS-10	HDS-20	HDS-50	HDS-100
Structure	2 columns				
Max. Load (KN)	5	10	20	50	100
Load Range	2%~100% full Scale or 0.4%-100% Full Scale				
Load Accuracy	±1% or ±0.5%				
Resolution of load	1/300000 of full scale				
Measuring Range Of Deformation	2%~100%				
Resolution of Displacement	0.001mm				
Accuracy measure Of Deformation	±%or±0.5%				
Control Speed	0.1-500(mm/min)				
Relative Error of Speed:	≤±1%				
Tensile Test Space	650mm				
Compression Test Space	650mm				
Load Cell Configuration	One(Max Load), more load cells can be added according to customer requirement.				
Extend Configuration	Large deformation extensometer, high or low temperature test chamber, high temperature oven.				
Protection function	The test machine has the function of overload and limit protection				
Test machine size (mm)	730*360*1750		740*500*1820		800*480*1870
Power Supply	AC110V / 220V / 380V±10%, 50Hz-60Hz				
Weight (KG)	300		400		500

One.Specification Data



Two.Product Description



The design of HDS series Microcomputer electronic tension testing machine integrates the control technology and shape design of advanced test equipment. The machine has beautiful appearance, convenient operation and reliable performance. This machine adopts ac servo control motor and ac digital servo control system as the drive, the arc synchronous belt and synchronous belt wheel deceleration system precision ball screw driven by gear after loading, complete sample a variety of mechanical properties test.

The machine is free of pollution, low noise, high efficiency, and has a wide range of speed adjustment.

This series of tensile testing machine used in rubber, plastic, fabric, waterproof materials, wire and cable, net twine, metal wire, metal rods, plates, all kinds of metal, nonmetal and composite materials mechanics performance test, such as all kinds of tensile test, by changing the affix can easily complete the compression, bending, shear, tear, peel, puncture test, etc. 7-inch TFT color Microcomputer, direct input test parameters, Chinese and



English operation interface layer upon layer, users can easily operate without manual operation manual. The test results show that the test speed can be adjusted continuously, the test sample is automatically shut down and the peak is maintained. The test results are in line with the requirements of the relevant national standards.

Three.Functions and features:

The design of HDS-100 Microcomputer electronic tension testing machine integrates the control technology and shape design of advanced test equipment. The machine has beautiful appearance, convenient operation and reliable performance. This machine adopts ac servo control motor and ac digital servo control system as the drive, the arc synchronous belt and synchronous belt wheel deceleration system precision ball screw driven by gear after loading, complete sample a variety of mechanical properties test.

The machine is free of pollution, low noise, high efficiency, and has a wide range of speed adjustment.

1. Adopt high precision, all-digital speed control system and precision speed reducer, drive the precision screw side to carry out the test, realize the large range adjustment of the test speed, and the test process is low in noise and smooth running.
- 2, Universal joint cross bolt structure, and has the function of swing Angle limit, on the one hand is advantageous for the specimen clamping, guarantee the test concentricity, on the other hand good to eliminate the influence of irregular sample of sensor.
3. Touch key operation mode, LCD display in real time. Display interface can display test method selection interface, test parameter selection interface, test operation and result display interface and curve display interface, convenient and quick.
4. The beam can be adjusted in a fast and slow way when the sample is clamped. It has the protection devices such as overcurrent, overpressure and overload.
5. Select the microcomputer interface, and the external microcomputer can realize the control of the test process and the storage and printing of the data.

Four.Test machine operating software.

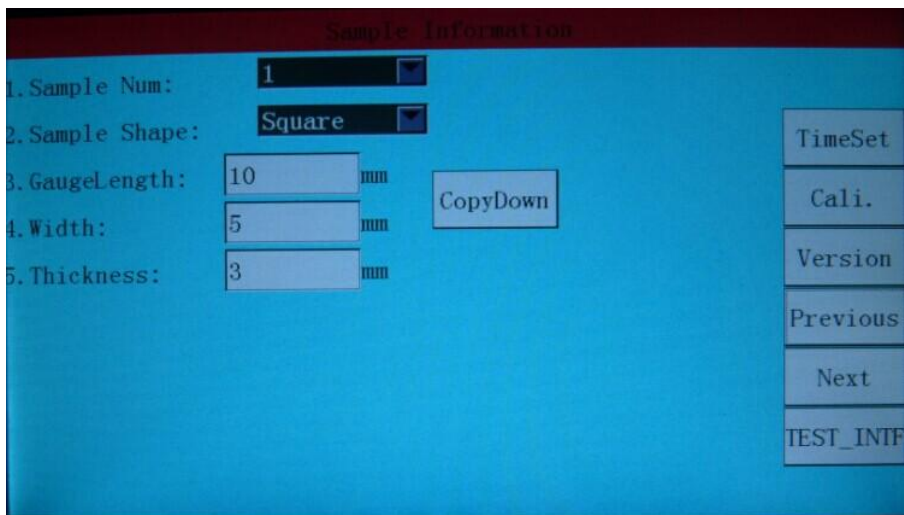
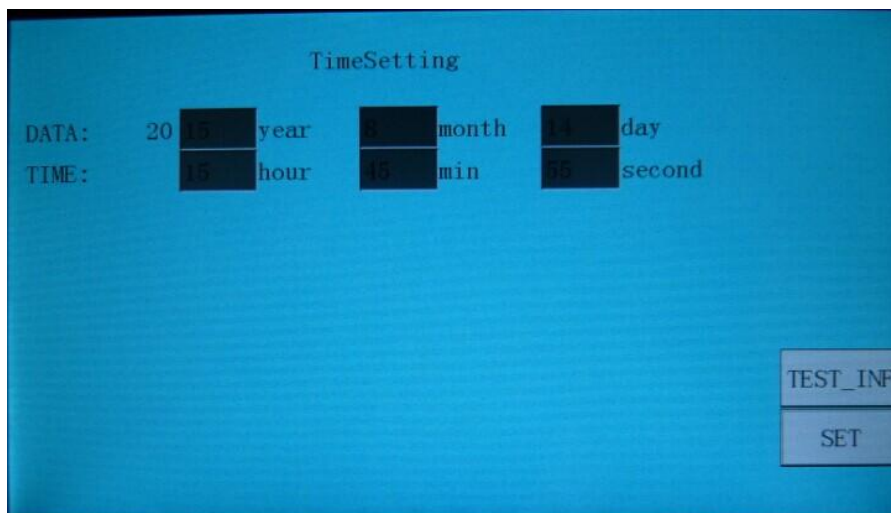
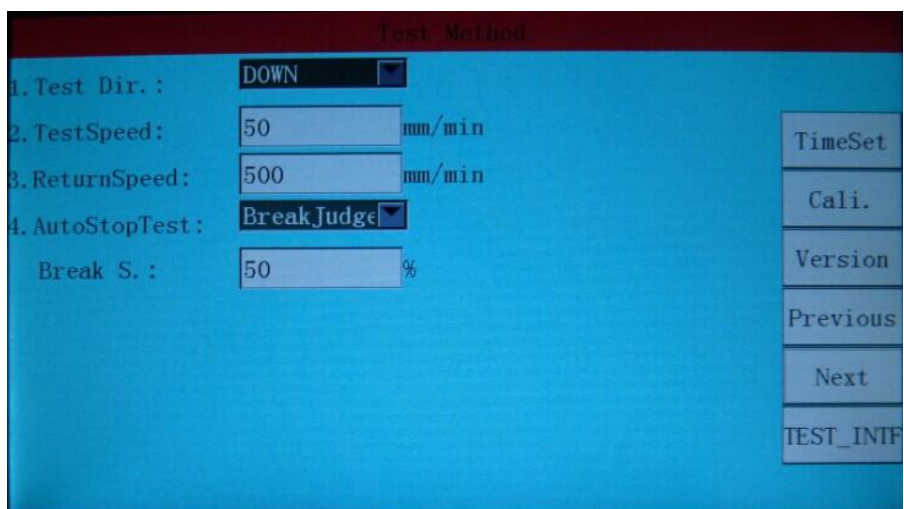
After starting up, enter the test interface directly.

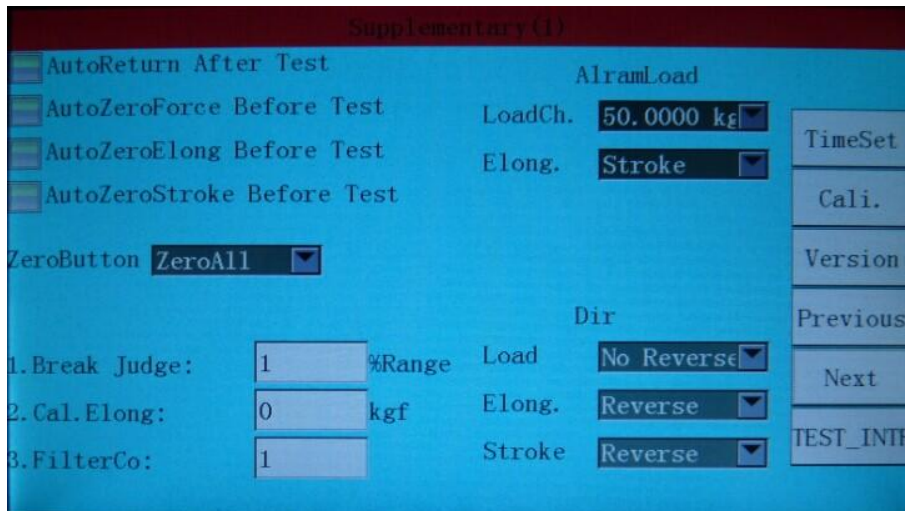


Test parameter setting interface.

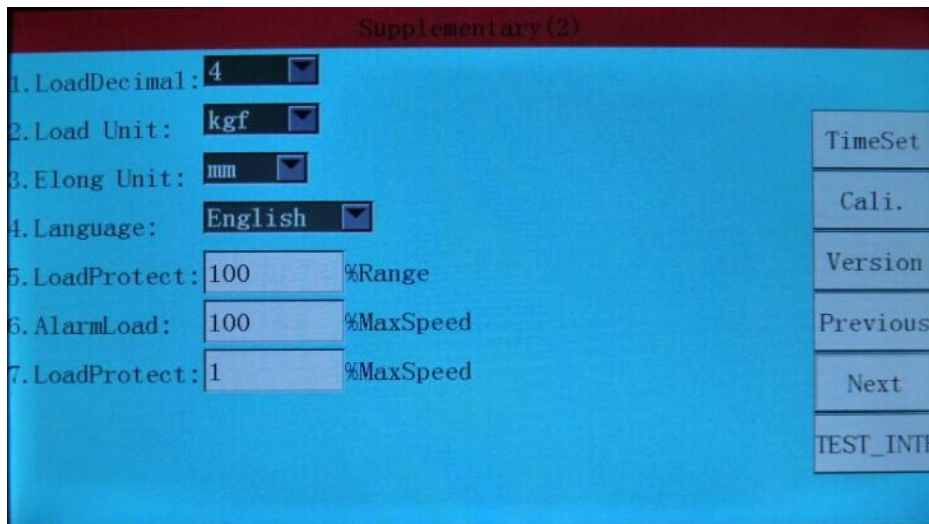


Sample information interface.

**Time setting interface****Test information interface****Auxiliary information 1 interface.**



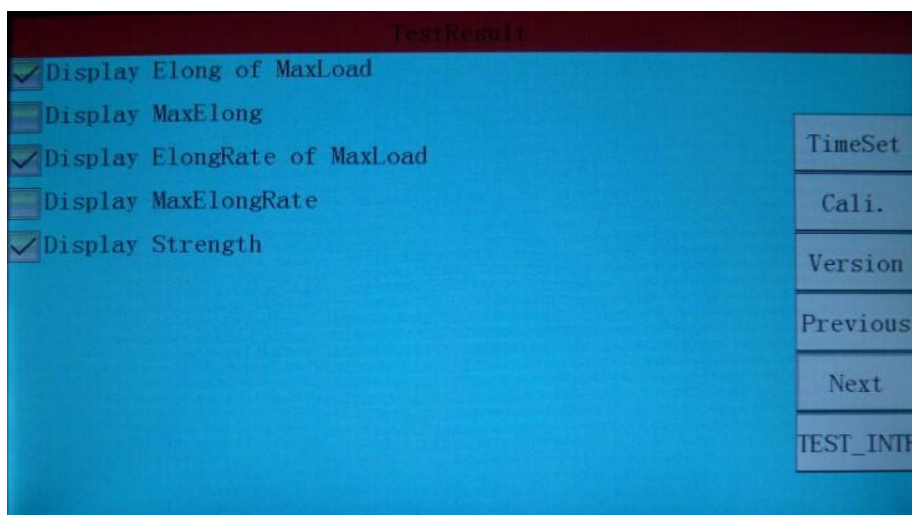
Auxiliary information 2 interface.



Check the interface

	F. Max(kgf)	E. #F. Max(mm)	E. #F. MaxR. (%)	Str. (MPa)	
Max	0.0000	0.000	0.000	0.000	Print SnapW. Up Down Delete DeleteA TEST_INTF
Min	0.0000	0.000	0.000	0.000	
Mean	0.0000	0.000	0.000	0.000	

Test result interface



Five.After-sales quality service.

After the formal acceptance of the equipment, the equipment shall be regarded as a formal delivery.The warranty of the equipment is eighteen months from the date of formal delivery.During the warranty, the supplier timely and free repair service for all kinds of malfunctions of the equipment, and timely and free replacement of all kinds of parts caused by non-human.If the equipment exceeds the warranty period, it will fail during the operation. The supplier will serve the ordering party in time, and assist the ordering party to complete the maintenance task.

Six.Qualification certificate

Our company is a high-tech enterprise integrating professional R & D, production and sales.Our company passed the "ISO9001 quality management system certification", Obtain "national authority testing standard products" and "national quality service AAA level enterprises".Owns “**Computer software copyright registration certificate**”, and has obtained a number of national patent products.The company has gathered the top material mechanics test machine structure design experts, professional tribology testing technology research and design experts, special engineers and laboratory testing equipment analysis experts to provide lasting power for the development of the company.



1.ISO9001 quality management system certification



2.Computer software copyright registration certificate



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3.National authority testing standard products



4.National quality service AAA level enterprises





5.Certificate of verification



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