

DW4200A SERIES COMPUTER CONTROL SERVO HYDRAULIC UNIVERSAL TESTER



Tensile clamp



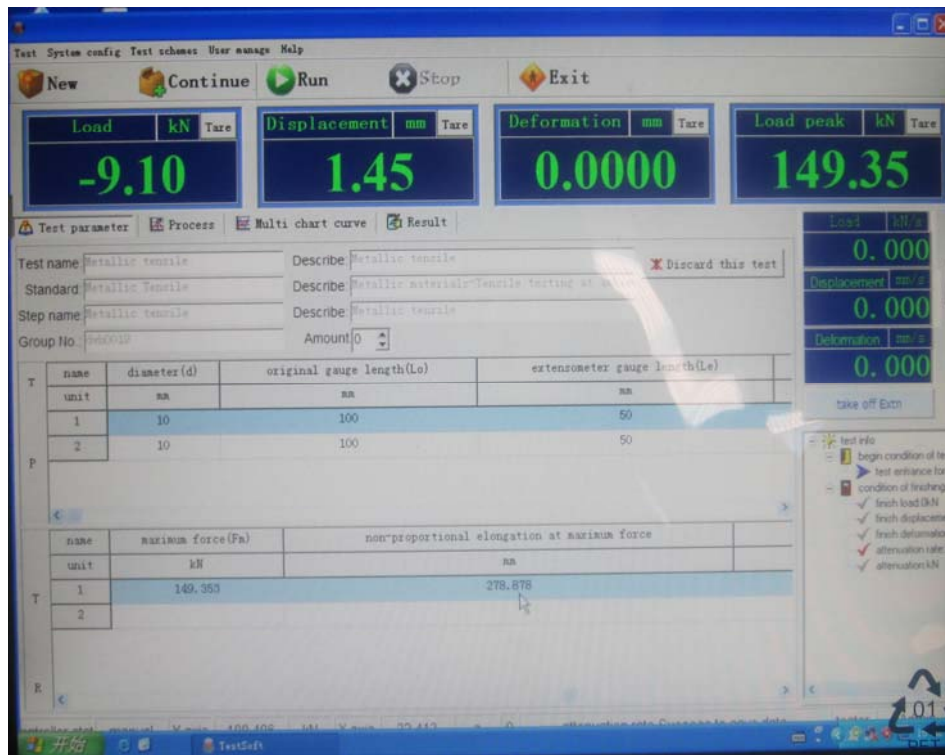


WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088
TEL: +86-551-65232508
FAX: +86-551-65232507
Email: sales@hkdownell.com
Website: http://www.fyichina.com.cn



Jaw and broken steel bar



Software

Model No.

DW4210A/4220A/4230A/4240A/4250A

Application:

DW4200A Series Computer Control Servo Hydraulic Universal Tester is used for tensile, compression, bending, shearing, peeling, tearing, low cycle fatigue test of metal or non-metal material. The machine equipped with powerful software, can be easy to complete the test. It's an ideal machine for industrial enterprises, commodity inspection and arbitration institutions, scientific research institution, colleges and secondary school, as well as engineering quality supervision authorities, etc.

Related Standards:

STANDARDS			

Note: this tester can conform to but not limit to all the standards above, for more standards conformance, please contact us.

Features:

- **Microcomputer controlled electro-hydraulic servo universal tester;**
- **Fully automatic operation and oil control;**
- External hydraulic clamping device, small effect to rigidity of main machine, convenient to maintain, adjustable clamping force;
- Clearance seal between oil cylinder and plunger, minimal friction, high accuracy of load measuring system;
- Electric components adopt 24V power supply to ensure the operator's safety;
- Hydraulic components adopt 24V power supply, completely eliminate the trouble of coil getting burned-out;
- Three basic control mode: constant stress, constant deformation, constant displacement;
- Adopt plug-in design, simple structure, excellent compatibility and stability;
- Resolution of 1/120000, automatic zero set and automatic shift function;
- All operation on the machine can be accomplished by use of the keyboard and mouse;
- With local database and network database memory interface, can be easily networking;

- Preset standard for tensile and compression test of metal, other standards can be preset according to user requirement;
- Possible to print various test curves, such as load-deformation, stress-strain, load-displacement, deformation-time, load-time, displacement-time, etc;
- DW4240A can be equipped with $\Phi 20 \sim \Phi 60$ clamp according to customer's requirement.

Key Specification:

- Measurement range of load 2%~100%FS (0.4%~100%FS can be customized)
- Measurement accuracy of load 1 grade (0.5 grade can be customized)
- Deformation measurement
 - Range 1%~100%FS
 - Grade of accuracy 0.5 grade
- Displacement resolution 0.01mm
- Speed range 0.5~50mm/min
- Deformation measurement
 - Permissible max. value of accuracy $\pm 0.5\%$ FS
 - Gauge length of extensometer 25, 50, 100mm
 - Range 2~25mm
- Speed control of load (1%~100%)FS/min
 - Control range (2%~100%)FS
- Speed control of deformation (1%~100%)FS/min
 - Control range (2%~100%)FS
- Accuracy of speed control $\pm 2\%$ set value

Model	DW4210A	DW4220A	DW4230A	DW4240A	DW4250A
Load range (kN)	100	300	600	1000	2000
Relative error of load (mm)	$\pm 1.0\%$				
Max. tensile space (mm)	560	620	690	620	700



WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.
 ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088
 TEL: +86-551-65232508
 FAX: +86-551-65232507
 Email: sales@hkdowell.com
 Website: http://www.fyichina.com.cn

Max. compression space (mm)		530	550	620	580	600
Clamping thickness of flat specimen (mm)		0~15	0~15	0~30	0~40	0~50
Clamping diameter of cylindrical specimen (mm)		Φ6~Φ22	Φ10~Φ32	Φ13~Φ40	Φ14~Φ45	Φ20~Φ70
Max. gap between bending sticks (mm)		400	400	600	600	600
Diameter of specimen for shearing test (mm)		Φ10				
Spacing between columns (mm)		460	495	570	600	580
Motor power (kw)		1.2	2	2.1	2.1	6
Dimensions (L×W×H)	Main machine (mm)	700 × 450 × 1780	800 × 500 × 1950	950 × 630 × 2265	980 × 650 × 2220	1200 × 850 × 2900
	Control desk (mm)	620×480×1135				1260 × 560 × 850
Weight (kg)		1500	2000	2500	3300	5500

Standard configuration:

No.	Item		Quantity
1	Main machine		1set
2	Oil cabinet		1set
3	Software		1 disc
4	Auxiliary appliance for tensile test	Jaw for cylindrical specimen	2set of 8pcs
		Jaw for flat specimen	1set of 4pcs
5	Auxiliary appliance for compression test		1set
6	Auxiliary appliance for bending test		1set
7	Extensometer		1set



WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088
TEL: +86-551-65232508
FAX: +86-551-65232507
Email: sales@hkdownell.com
Website: http://www.fyichina.com.cn

8	Tools	1set
---	-------	------

Optional Accessories:

No.	Item
1	Shearing apparatus
2	Other unconventional clamps
3	Computer
4	Printer