

WDW-10H/20H/30H/50H/100H/200H/300H 型

0.3 级 / 0.5 级 / 1 级微机控制电子万能试验机

Class 0.3/0.5/1 Computer Control Electronic Universal Testing Machine

► 高端机型、高配置、高精度、高稳定性。

Advanced machine model, with high configuration, precision and stability.



本系列产品的测控软件已通过国家钢铁材料测试中心的评审。

The software of this series of products has passed the evaluation of the National Steel Material Testing Center.



功能用途 Main Function and Usage

主要适合各种金属、非金属材料的拉伸、压缩、弯曲、剪切、剥离、撕裂等试验。

It is suitable for tensile, compression, bending, cutting, stripping, splitting and other testings for metal materials or non-metal materials.

主要性能特点 Main Performance Characters

- ◆ 门式框架结构，双空间。
- ◆ 传动部分采用圆弧同步齿形带，滚珠丝杠副传动，传动平稳。
- ◆ 采用松下伺服电机驱动，伺服电机通过传动机构带动横梁上、下移动，实现试验加载过程。
- ◆ 采用世铨高精度负荷传感器，力值测量更精确。
- ◆ Door type frame structure, with double space.
- ◆ It adopts circular tooth profile synchronous belts in the transmission part, ball screw as assistant transmission, conducting a stable transmission.
- ◆ Driven by Panasonic servo motor, putting the movement of the cross beam from top to bottom, the testing takes it s own process step by step.
- ◆ Using high precision CELTRON brand load sensor, make the testing of force value more accurate.

适用标准 GB、ISO、ASTM、DIN

Adaptable Standard GB、ISO、ASTM、DIN

主要规格及技术参数 Main Specifications and Technical Parameter

主要技术规格 Model	WDW-10H	WDW-20H	WDW-30H	WDW-50H	WDW-100H	WDW-200H	WDW-300H
最大试验力 Capacity	10kN	20kN	30kN	50kN	100kN	200kN	300kN
特点 Character	采用日本松下公司伺服系统与伺服电机，全数字化测量控制系统 Adopting Panasonic servo systems and servo motor, with full-digital Measure control system						
主机刚度 (kN/mm) Machine Stiffness(kN/mm)	80	80	80	250	300	400	600
力值测量范围 Measure Range of Testing Force	最大试验力的 0.4%~100% 0.4%~100% of the Max. testing force						
试验机准确度 Accuracy of Testing Machine	优于示值的 ± 1% (精密级为 ± 0.3%/± 0.5%) Over ± 1% than the value display (Accuracy is ± 0.3%/± 0.5%)						
变形测量准确度 Accuracy of Deformation Measure	± 1%/± 0.5%						
横梁位移测量 (mm) Measure of Cross-beam Displacement(mm)	分辨率 0.001 Discrimination 0.001						
试验力示值精度 Accuracy of Testing Force Value Display	优于示值的 ± 1% (精密级为 ± 0.3%/± 0.5%) Over ± 1% than the value display (Accuracy is ± 0.3%/± 0.5%)						
变形测量范围 Measure Range of Deformation	2~100%						
大变形测量范围 Measure Range of Large Deformation	10mm ~ 800mm (选配) 10mm ~ 800mm (optional)						
大变形示值精度 Accuracy of Large Deformation	示值的 ± 1% 以内 With in ± 1% of the value display						
位移分辨率 (mm) Displacement Resolution (mm)	0.001						
力控速度调节范围 Adjustment Range of Force Control Speed	0.001 ~ 10%						
力控速度控制精度 Accuracy of Force Control Speed	≤ ± 1%						
变形速度调节范围 Adjustment Range of Deformation Speed	0.00025 /S ~ 0.0025 /S						
变形速率控制精度 Control Accuracy of Deformation Rate	≤ ± 1%						
位移速率调节范围 Adjustment Range of Displacement Rate	0.005mm/min ~ 500mm/min; 任意设定 0.005mm/min ~ 500mm/min; (random setting)						
位移速率空间精度 Accuracy of Displacement Rate and Space	≤ ± 1%						
拉伸行程 (mm) Tensile Volume(mm)	800	800	800	600	600	600	600
试验空间宽度 (mm) Width of the Testing Space(mm)	370	370	370	570	600	600	600
主机外形尺寸 (mm) Overall Dimension (mm)	686 × 525 × 1880	686 × 525 × 1880	686 × 525 × 1880	945 × 654 × 2176	1010 × 750 × 2210	1100 × 770 × 2558	1100 × 770 × 2558
夹具形式 Clamping Type	标配楔形拉伸附具、压缩附具、弯曲附具，楔形、平板及用户提出的其它夹具附具 Standard Refiguration: wedge tensile, compression, bending optional implement, wedge, plate and any other jaw optional implement						
重量 (kg) Weight(kg)	250	250	250	700	1100	1560	2000
电机功率 (kW) Motor Power(kW)	0.75	0.75	0.75	1.5	1.5	3	5
整机形式 Type of Machine	落地式 Floor type						