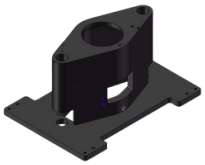
HYDRAULIC UNIVERSAL TESTING MACHINE

Class 0.5

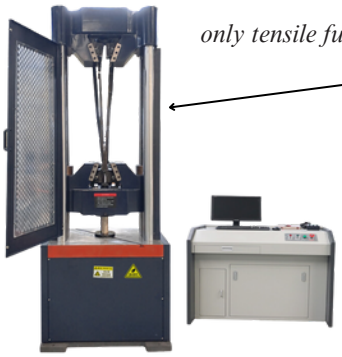
We offer UTM class 1 and class 2 at a lower price. Please contact our sales team for consultation.



**Can customized force from 100-4000kN*

Features

- The hydraulic universal testing machine is mainly used for testing metal materials such as smooth round steel bars, ribbed steel bars, straight steel bars, coiled steel bars, metal plates, metal bars, cables and ropes, castings and forgings, bolt fasteners, metal pipes, etc. , and non-metallic materials can be tested and researched on tensile tests, compression tests, bending tests, shear tests, etc., and other mechanical properties at room temperature.
- The testing machine is equipped with a computer, printer, electronic extensometer, photoelectric encoder and general testing software, which can accurately measure the tensile strength, tensile strength, yield strength, specified non-proportional elongation strength, elongation and elastic modulus of metal materials. Quantitative equality.
- Experimental results can be queried and printed (force-displacement, force-deformation, stress-time, stress-strain, force-time, deformation-time, force-displacement, displacement-time) eight kinds of curves and related experimental data, with The software self-test function can self-diagnose faults. Please refer to the software description for details. It is an ideal testing design for industrial and mining enterprises, scientific research units, colleges and universities, engineering quality supervision stations and other departments.



only tensile funtion, with higher space for tesile testing

The main machine with microcomputer-controlled electro-hydraulic servo universal testing machine adopts a bottom-mounted oil cylinder

SPECIFICATIONS

Model	HUM-300E	HUM-600E	HUM-1000E	HUM-2000E
Maximum test force	300kN	600kN	1000kN	2000kN
Force measurement range	1%～100%FS (full scale)			
Test force indication accuracy	≤1%			
Displacement resolution	0.001			
Stress rate control adjustment range	1MPa/s～45MPa/s			
Deformation range	1%～100%FS (full scale)			
Stress/strain/displacement maintain control accuracy	≤1%			
Crossbeam displacement adjustment speed (mm/min)	170	220	190	160
Displacement control speed range (mm/min)	0.01～200	0.01～100	0.01～70	0.01～50
Cross beam position adjustment method	sprocket drive			
Maximum span of bending support roller	400	401	402	403
Tensile test space (mm)	600	700	700	800
Compression test space (mm)	550	600	600	650
Length×Width×Height	750×530×1930	840×600×2130	910×640×2250	1170×800×2750
Testing machine weight (kg)	about 1200	about 1700	About 2100	about 5000
Motor power (kw)	1.5	2	2	3.5
Oil source console size (mm)	1200×600×750			
Standard delivery	Main unit, control box, software, computer, printer, Fixture (compression tensile), extensometer			

Standard delivery	Qty
Main unit	1
Computer	1
Printer	1
Control box	1
Software	1
Compression fixture (customized)	1
Tensile fixture (customized) *	1
Desk	1

**please check in fixture for universale testing machine*