

Introduction

This type of hydrostatic and burst testing machine features compact structure design and simple to use. It is specifically used for time-to-failure test of plastic pipe under constant internal pressure, and for test of resistance to short-time hydraulic pressure of brake hose assembly, high pressure hose assembly, metallic pipe and fitting, and pressure vessel, gas cylinder and etc.

Max pressure: 50Mpa, 100Mpa, 150Mpa, 200Mpa, 250Mpa, 400Mpa, 500Mpa

Standards

GB/T 16897, GB/T 7127.1, GB/T 7127.2, GB/T 241, GB/T 9251, GB 15385, ISO3996, ISO 6120

New feature

- Leakage judge
- Rupture identification
- Overpressure protection
- No-water protection
- Automatic test saving when power off
- Continuous test after power recovery
- Test curve explore
- Calibration function

Reliability & Durability

- Advance OMRON PLC specially designed for industrial use offers closed loop control of working pressure and pressure compensation with high reliability and stability, allowing 10000 hours continuous test without failure
- Imported components ensure high reliability and precision, such as pressure transducer, electromagnetic valve, accumulator, electromagnetic valve, and electric pump
- Accumulator imported from Germany for pressure compensation reduces working time of



motor and pressurizing system, improves pressurizing system life and ensures pressure accuracy

- Imported air-over-water pump ensures high stability and reliability, and improves accuracy of pressurizing speed and control
- Water filter provides high precision filtering with big flow rate and stainless mesh
- US HIP stainless steel piping system features high reliability and durability.

Usability

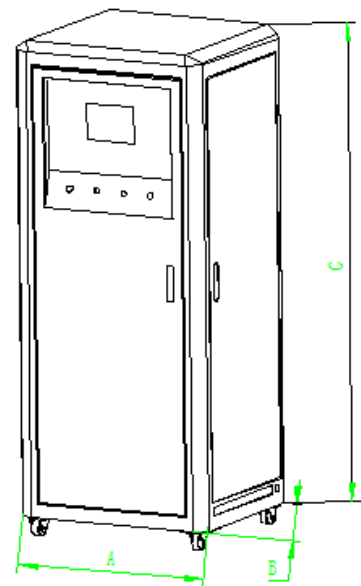
- Wide view full color touch screen is simple for operation without PC
- Professional test software is powerful and simple to use. Real-time display of pressure-time graphics of each stations; real-time display data, and print test report; test data and report complies with OFFICE and test report is programmable according to user's requirements
 - Automatically sample and analyze test data, generate test curve, save test data, and build test report.
 - Modular design: user authorization management, test process setup, test curve analysis, test data review and calibration.
 - Real-time display of time-pressure curve and time-temperature curve.

Hydrostatic and Burst Testing Machine | HTM Type B

- Powerful test parameter setup allows hydrostatic test, burst test and graduation pressuring test.
- Continuous test function: under conditions of sudden power off or no water supply, the test can be continued with saved database after recovery.
- Curve explore: zoom in or out to view the curve, also compare multiple curves in one window.
- Report can be export to Excel, both test data and test curve.
- Additional function can be added: LAN connection and report template design

Parameters

Model	HTM507 HTM108 HTM158 HTM208 HTM258 HTM408 HTM508
Type	Type B
Max pressure	50MPa 100MPa 150MPa 200MPa 250MPa 400MPa 500MPa
Specimen diameter	Φ1~Φ380
Test stations	1~3
Medium	Water or white mineral oil
Pressure accuracy	≤1%
Constant pressure accuracy	-2%~+2%
Constant pressure range	20%~100%
Timing range	0~10000h
Timing accuracy	≤±0.1%
Power requirements	3-phase, AC 380V, 50Hz, 1kW
Control cabinet dimension (A x B x C)	700mm×600mm×1700mm (1 station)
Control cabinet weight	150kg



Standard accessories:

Name	Description	Quantity
Test stations	Made to order	N
Main machine		1
PLC control	OMRON (Japan)	N/4
Touch screen	PanelMaster HMI (Taiwan)	1
Pressure transducer	MEAS (USA) only for 50MPa, SENEX (USA) for others)	N
Pressure meter	TTA (Italy)	1
Air-on-water pump	SC (USA)	1
Electromagnetic valve	AIRTAC (Germany)	N x 2
Piping system	HIP (USA)	N
High pressure hose	Spir (Germany)	N
Quick coupling	CEJN (Sweden)	N+1
Water filter		1
Test software	English version	1

Optional water tank

Type	HB-1
Dimension □(L x W x H)	700×350×1100mm
Specimen diameter (mm)	Φ1~Φ38mm
Specimen direction	Horizontal
Test stations number (N)	1~3
High pressure hose	Quantity: test station number N
Quick coupling	Station number N
Input connecter	M14×1.5-6g (cone sealing)
Weight	220 kg

- Both inside and outside are made of stainless steel 304
- High pressure quick couplings and hoses are suitable for high pressure test



Optional end closures (end cap)

- Stainless steel type and carbon steel type, :Φ1~Φ38mm.
- Smart design ensures perfect seal without leakage

