



TELIDE SHENZHEN HIGH PRESSURE

Oil Impulse Test Bench



Detail

Oil Impulse Test Bench (Model: HPU-1302)

1. Equipment application

"Telide" Oil Impulse Test Bench (HPU-1302) is impulse fatigue test equipment we research and develop independently, which including hardware and software. The bench is widely used in automobile, aviation, shipping, coal, mechanical engineering and other related industries. It can also be used in the third-party inspection, scientific research institutes and so on.

Oil impulse test bench is used for testing fatigue resistance of specimens under certain alternating pressures in a certain environmental temperature and medium temperature. It can be used for all kinds of air conditioning hose, rubber hose, brake pipe, power steering pipe, return pipe, etc. It can also test all kinds of heat ex-changer, heater core, evaporator core, oil cooler, radiator, condenser, inter-cooler, water tank, hydraulic valve, oil cylinder and so on.

The bench mainly meet the specific needs of customers by non-standard design based on the industry and test standards. "Telide" Oil Impulse Test Bench consistently follow the core concept of innovation, reliability and service, and adhere to design concept of reasonable system , reliable components and novel structure. It fully meets the technical parameters and standards requirement of test by using advanced computer measurement and control technology to make intelligent control and obtain time

curve of pressure waveform, temperature parameter, etc.

At the same time, our company can also provide water pulse and high pressure pulse equipment.

II. Main features

1. Beautiful appearance with the main color of blue and white
 2. Easy to install and use for its compact and module structure
 3. Intensifier and other hydraulic components are first-class products
 4. Pre-set pressure test process before equipment operation, including peak value and valley value of pressure, pulse number, medium temperature, waveform and other related parameters
 5. High frequency data acquisition card and strong anti-interference control and eco-friendly software system
 6. Display pressure curve and temperature curve in real time ; test data is saved in Excel file which is easy to read and store
- Generate report of time pressure, temperature and time curve
Equipment, interface, parameters can be changed according to user needs
Pressure unit can be converted duly: MPa-bar-psi
7. Safety function: emergency stop function; liquid level alarm and over-temperature alarm stop function; open door and stop equipment during test

III. Major components

- High and low temperature environment test box, high temperature environment test box, room temperature environment test box which can be configured according to customer' s different test standard;
- Hydraulic pump station, booster cylinder, servo valve, etc.

IV. Technical parameters

1. Pulse pressure range: 0.5~70MPa (hose assemblies)
0.5~6MPa (condenser, evaporator)
2. Pressure measurement accuracy: $\pm 0.5\%$ FS
3. Pressure control accuracy: $\pm 2\%$ FS
4. Pressure waveform: trapezoidal waveform, sinus waveform, triangular waveform
5. Impulse frequency: ≤ 2.0 Hz (hose assemblies)
 ≤ 3.0 Hz (condenser, evaporator)
6. Test medium: Refrigerant oil, PAG oil, hydraulic oil, silicone oil, etc
7. Medium temperature range: $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ arbitrary setting (trapezoidal wave)
8. Ambient temperature range: $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ arbitrary setting

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