

YW-1442 portable liquid pressure source

an instruction manual

Xi'an Xinyi Instrument Technology Co., Ltd

I. Company profile

Xi'an Xinyi Instrument Technology Co., Ltd. is a high-tech enterprise, specializing in the development, production and sales of thermal calibration instruments. Superior product performance, super first-class after-sales service, for the company at home and abroad in the instrument industry to establish a good reputation. At present, the main products of the company are portable digital pressure calibrator, digital pressure comprehensive calibrator; series DC standard signal source, thermal instrument calibrator, intelligent thermal instrument verification system; series pressure source (portable manual and electric), etc. The company has a strong R & D team, perfect service system, exquisite sales team. The company has always been strict control of product quality, sincere and enthusiastic service. At present, our products have been widely used in aviation, aerospace, electric power, petroleum, chemical industry, metallurgy, railway, metrology, military industry, universities and many scientific research institutions.

2、 Illustration



1. Injection port
2. Pressure handwheel
3. Pressure handwheel
4. Pressure relief valve
5. Output port

3、 Technical parameters

1. Measuring range: (- 0.085-60) MPa
2. Medium: purified water or 46 × hydraulic oil
3. Minimum controllable regulation: 10KPA
4. Interface size: 2 / M20 × 1.5 standard interfaces
5. Overall dimension: 375x150x110 (L × w × h)
6. Weight: 5kg

4、 Characteristics overview

At present, in China's metrological verification or calibration industry, piston pressure gauge or desktop pressure source, electric pressure calibration table and other products are widely used. These products are generally bulky, and it is not suitable to carry them when they go to the site for calibration, while foreign portable products adopt the hand clamp type. Combined with the above reasons, our company has recently developed a portable liquid pressure sensor which is easy to carry, simple in structure and labor-saving in operation

5、 Operating instructions

wheel to the innermost end, the pressure regulating valve to the innermost end, and close the zero return valve. When turning the preloading hand wheel counterclockwise to the

first verification point, record the data after comparison. Then other pressure points are verified. For return stroke verification, turn the preloading hand wheel clockwise to carry out return stroke verification at each point.

6. End of verification: manually remove the instrument to be inspected, and use the random screw plug to block the output ports to prevent dust and impurities from entering; tighten the liquid injection port (1) to prevent liquid leakage.

6、Precautions

1. Instruments with impurities must be cleaned before verification.

2. When the instrument with strong corrosive medium is connected with the equipment, it must be cleaned with carbon tetrachloride solution.

3. When the thread end face of the tested instrument interface is damaged, there may be leakage at the output port. Please configure the transition joint and aluminum gasket produced by our company.

4. When not in use, please close each output port, tighten the oil filling port and store it in a clean and dry place.

5. Because there are a lot of impurities and oxides in the surface cavity, it is recommended to purchase our liquid

filter.

6. It is strictly forbidden to mix this equipment with other equipment, and it is strictly forbidden to use above the rated pressure of this equipment.