

Dead Weight Tester

(Pressure gauge calibrator)

Piston pressure gauge is the third generation product developed on the basis of YS piston pressure gauge and KY piston pressure gauge. It has high cost performance, durable leather and anti-break mechanism of piston system. The piston rod is greatly reduced due to improper operation. The JQ piston gauge is the latest generation of piston gauges developed for mass production



Measuring Range and Accuracy:

Model No.	Measuring Range(MPa)	Accuracy
JQ-0.6	0.04~0.6	±0.05%
JQ-6	0.1~6	±0.02%
JQ-25	0.5~25	±0.01%
JQ-60	1~60	
JQ-100	2~100	
JQ-250	5~250	

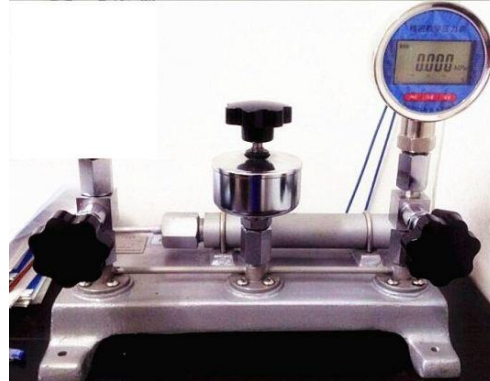
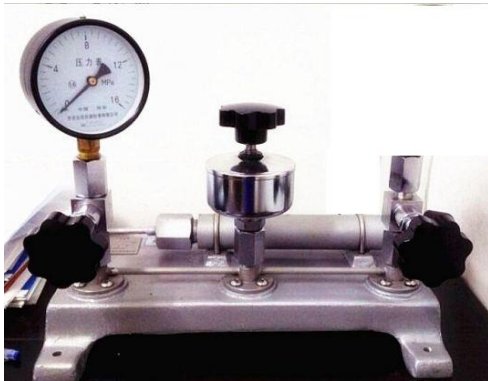
Weights Configuration:

Item No.	Piston Cross Section (cm ³)	Weight Configuration	Total Weight
JQ-0.6	1	0.01MPa/6pcs 0.05MPa/10pcs	6kg
JQ-6	0.5	0.1MPa/4pcs 0.5MPa/11pcs	30kg
JQ-25	0.1	0.5MPa/4pcs 2.5MPa/9pcs	26.5kg
JQ-60	0.1 / 0.05	1MPa/4pcs 5MPa/11pcs	60kg/ 30kg

Pressure gauge calibrator

Description:

Pressure gauge calibrator also known as a pressure gauge calibration pump, the principle is movement of the piston rod increases pressure, to achieve the aim of compression. Pressure gauge calibration is used for testing general pressure gauge, max calibration pressure can reach 60 MPA, and vacuum calibration can reach -0.08 MPA. In laboratory or measuring room generally matched with precision pressure gauge (accuracy can reach 0.25) to calibrate the general pressure gauge (accuracy is 1.6 or 2.5). Accuracy: 0.25% (dial type) and 0.1% (Electronic) Gauge approx.



Pressure gauge calibrator with Standard Dial Type Gauge OR Digital Electronic Type Gauge

model number	range	Medium
XY-6	-0.082-6MPa	Transformer oil
XY-60	0 - 60MPa	Medicinal castor oil

Range	0~6Mpa	0~60Mpa
Vacuum	-0.088~0 Mpa	-----
Connector	M20×1.5(M14×1.5)	M20×1.5(M14×1.5)

The minimum adjustable range: 0.1Mpa and Size:350*230*180mm

Performance Feature : 1、 With the welded structure, there is no influence of vibration on the airtightness, and the airtightness is very good. 2、 The piston rod uses special tungsten carbide, which not only guarantees the hardness of the piston system, but also ensures the toughness of the piston system to the greatest extent. 3、 The piston type pressure gauge adopts the structure of the protection rod. The diameter of the protection rod is 10.03 mm and the diameter of the protection tube is 10.06 mm. When the piston type pressure gauge is mishandled and swayed, the protection device can protect the piston rod from damage and greatly strengthen the piston pressure gauge. Practicality and convenience. (Core technology is the first in China) 4、 The piston pressure gauge is installed in the piston pressure gauge protection device, no special tools are needed, which is convenient for customers to install and clean. 5、 The displacement system of the piston pressure gauge adopts the displacement indicating scale, and the piston system displacement display is more intuitive. 6、 The displacement of the plug stem has been changed from the original 3 mm to the current 5 mm. The piston has a larger amplitude of take-off and lowering, and the stabilization time is longer. It is more suitable for mass production and measurement. 7、 The countertop is made of stainless steel countertops (class 0.02). The countertops are clean and tidy, with no additional equipment for post-maintenance. 8、 The piston type pressure gauge no longer adopts the hanging blue structure and adopts the ground structure. It is more convenient to place the weight with one hand. 9、 A series of improvements of JQ pistons are for practical purposes. In the development of piston systems, how to use them is not easy to break. How to place weights is convenient. I hope this piston can make metering more convenient.

Maintenance and Troubleshooting 1、 Piston type pressure gauge pipelines are all welded pipelines. There is no leakage of pipelines. If the pressure instability is found, the seals at the joints are damaged. Even if the seals are replaced, the seal size is 9*2.65. (random standard). 2、 If the piston system is insensitive during use, that is, the piston system is contaminated, it needs to be cleaned with gasoline to solve the problem.

This piston type pressure gauge is an oil medium. The company also has a water medium piston pressure gauge and a gas medium piston pressure gauge. Piston pressure gauges can also produce compound ranges, ie special ranges from 0.04 to 60 MPa, or custom-made piston gauges in units such as PSI.