

Calibration:

Connect the pressure sensor to the controller; put the sensor (round one) under the block of the machine, to test the pressure value, (different material requires different pressure). Mark the scale value on the machine, which corresponding to the pressure. Take away the pressure sensor.

Test:

Put the sample together with clean rubber (coating) or paper (ink) under the block, round one for ink, square one for coating, move the instrument into dry oven, after drying, check if the material is removing to the clean base. The temperature and time of drying time is controlled by the testers.

Pressure Sensor



Variable Pressure Block Tester

INSTRUCTION MANUAL

I. Overview and safety precautions.

VPT-80 pressure tester is commonly used for coating, ink under pressure conditions of high and low temperature substrate adaptability testing, drying state testing and adhesion testing. The instrument adopts the digital display pressure base to precisely control the pressurized state at room temperature. When testing at high or low temperature, first use the pressure base to determine the scale position corresponding to the required pressure value, then replace the pressure base with an additional base to determine the pressurized state by the scale position, lock it with a locking nut and send it to the high or low temperature chamber for testing. Digital display unit N and kg can be switched. The square indenter (50×50mm) and the round indenter (10cm^2) can be removed and replaced, the former is commonly used for paint and the latter is commonly used for ink.

The instrument is designed for easy and precise pressurization, flexible and portable structure, simple operation, and can also be used for accurate pressurization of glued specimens when curing.

The pressure tester is used in the chemical raw material testing process and the user should establish appropriate safety and health precautions and define regulations in accordance with relevant safety regulations before use. Safety issues related to contact with chemical materials should be established by the user and are not covered by the instructions in this manual.

II. Main technical parameters.

1、Base diameter：	78mm
2、Square head：	50×50mm
3、Cylinder head：	10cm^2（φ35.7mm）
4、Pressure Range：	20-800N
5、Charging Power：	220V 50Hz
6、Overall dimension：	150×120×400mm

III. Other notes:

1、Please use the digital display base within the specified working pressure range (10-900N).
2、Display and digital display base must be paired to use (the same number), otherwise it needs to be newly calibrated.
3、Spring is a deformable part, the scale position is for reference only, it is recommended to use the digital display base to do the test as much as possible. If you must use the additional base (such as to enter the high and low temperature box), it is appropriate to use the digital display base to determine the required pressure scale position, and then change the additional base.

Packing List

A） Mainframe ×1

B） Attachments：

1、Pressure Indicator ×1

2、Digital display base ×1

3、Additional base ×1

4、Square press head ×1

5、Round press head ×1

6、Handle bar ×1

7、Instruction manual ×1

Note: One of the square and round indenter is mounted on the host