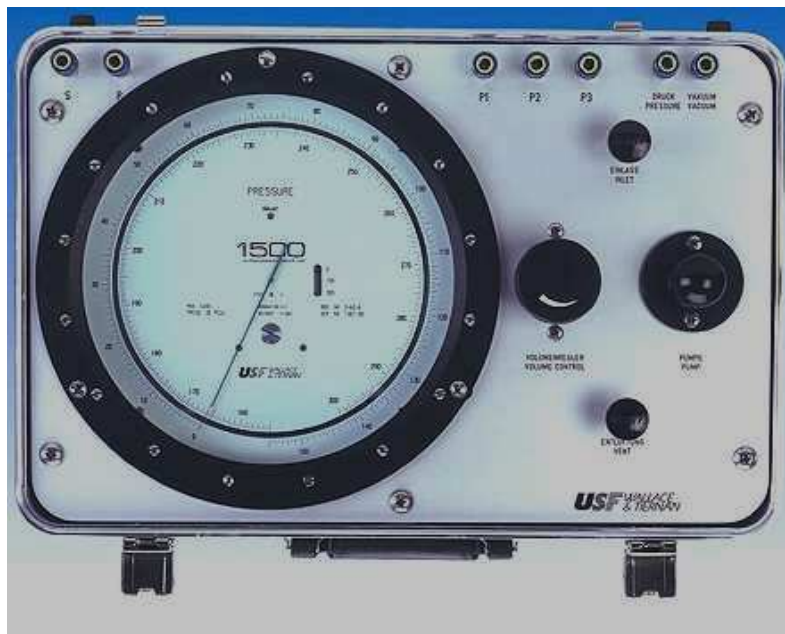


PRECISION PORTABLE PNEUMATIC CALIBRATOR MODEL DP-250

- easy to use
- high accuracy of 0,066%
- clear, accurate read out
- compact size
- pressure generation by integrated hand pressure pump
- easy to connect for convenient use on location



Picture

DP-250 with built-in Differential Pressure Gauge
Series 1500 – accuracy 0.066% o.f.s.

General Description:

The Model DP-250 is a compact, light weight and easy to handle precision pressure calibrator, primarily designed for field checking and calibration of pneumatic instrumentation. To make it independently from external air-supplies, a hand-air-pump is built-in. With the hand-air-pump it is possible to generate pressure or vacuum. The connectors are hose couplings (quick-connectors). The connectors „P1“, „P2“ and „P3“ are spring actuated, i.e. these connections are closed automatically in case that the plugs are removed.

The equipment can also be used with an external air-supply. The external air-supply must be connected to the port „P3“. The built-in volume-control is used for exact pressure adjustments.

WALLACE & TIERNAN Precision Pressure Instruments correspond to the high quality demands of modern engineering as well as to the versatile tasks of research and science. Our products are distinguished by high accuracy, easy handling, various using possibilities, and a long life. These characteristics are the reason for the outstanding position of our products in the field of Pressure Instruments.

WALLACE & TIERNAN precision pressure gauges have an excellent temperature stability and speed of response. Although highly sensitive and accurate, the mechanism is built to withstand the handling normally associated with on-site calibration of pneumatic instrumentation.

WALLACE & TIERNAN
LEADER IN QUALITY

Certified according to DIN EN ISO 9001
DKD-K-02301 according to DN EN ISO/IEC 17025

WALLACE & TIERNAN GmbH offers the best accuracy which can be supplied with dial pressure gauges. The pressure gauges used in the DP-250 have an accuracy of 0.066% of full scale.

Because the pointer covers full scale in two revolutions the scale is approx. 1140 mm long. The operator takes readings from one position - not possible with large-diameter gauges. The expanded scale of white space between graduations, the knife edge pointer and the mirror scale allows excellent, accurate and parallax free readings.

The pressure elements are heat treated to enhance repeatability and to minimize hysteresis and the effects of temperature change. The mechanism must not be lubricated. An anti-backlash device maintains uniform tension between the parts. There is no lost motion. Although sensitive the mechanisms are not fragile.

Our precision pressure gauges are secondary standards and are rugged enough to maintain accuracy in many test and process applications.

One of the following type of pressure sensitive instruments can be installed:

Differential-Pressure-Gauges:

Series 1500

Accuracy 0.066% o.f.s.

Range min. 300 mbar / max. 10 bar
or vacuum and compound ranges

Gauge-Pressure-Gauges:

Series 1500

Accuracy 0.066% o.f.s.

Range min. 300 mbar / max. 20 bar
or vacuum and compound ranges

Other SI-units of calibration are available without extra cost.

Hand-air-pump:

The version of the built-in hand-air-pump is depending from the range of the used type of precision dial-manometer.

Connections:

7 pcs if a differential-pressure-gauge is installed

6 pcs if a gauge-pressure-indicator is installed

Volume-Control:

The version of volume control is depending from the range of the built-in precision-dial-manometer.

System-Pressure:

Depending from the range of the built-in precision-dial-manometer – **max. 20 bar** (290 PSI)

Carrying case:

ABS-plastic
with easy removable case-cover

Weight:

approx. 8 kg (approx. 18 lb)
(with series 1500)

Dimensions: 445 x 305 x 190 mm (17 ½" x 12" x 7 ½")

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