

# portable deadweight tester

# PDW

- Portable for on-site calibration
- Hydraulic operated
- Internal pressure source
- Ranges from 4...10.000 *psi* (0,2 .....700 bar)
- Weight flotation reference system
- Standard accuracy  $\pm 0,025\%$  of reading
- NVLAP or NIST traceable certificate included
- Single or dual piston version



The series PDW Deadweight Tester provide a high quality precision pressure calibration source for almost every applications. The choice of a model series PDW allows to determine, directly in the field and in a easy way, the same uncertainties as in laboratory based applications. The series PDW are also available with a single or double piston to widen the under test units rangeability.

## 7.PDW - Standard Model

**Range:** max 700 bar.

**Standard accuracy:** 0,025% of reading.

**Traceability:** NVLAP or NIST.

**Weights:** stainless steel, non magnetic.

**Priming:** hydraulic hand pump for coarse pressure and volume adjuster fo fine pressure control.

**Connection:** quick-fit self sealing connection to test station.

**Standard corrections:** gravity 9.80665 m/s<sup>2</sup>; temperature +68°F (20°C); air density 1.2 kg/m<sup>3</sup> (others value on request).

**Weight tester:** 31,5 lbs (15,5 kg).

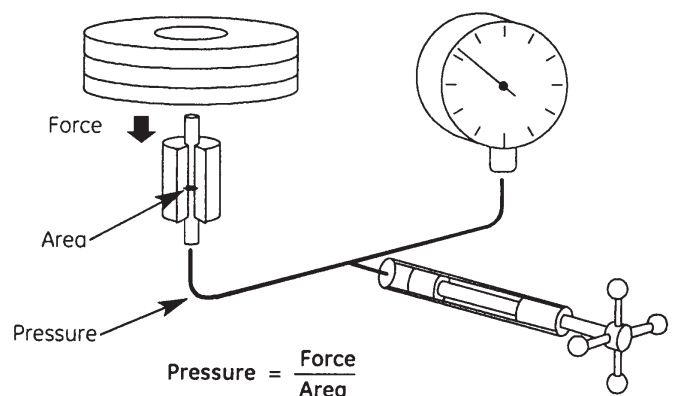
**Tester carrying case dimensions:** (W x D x H) 18 x 14,5 x 8 inc (465 x 370 x 200 mm) max.

**Mass set weight:** 36 lbs (18 kg).

**Weight carrying case dimensions:** (W x D x H) 9 x 9 x 8,5 inc (230 x 230 x 220 mm) max.

**All testers are supplied with:**

- Aluminium carrying case for tester.
- Set of stainless steel weights in aluminium carrying case.
- Certificate of accuracy.
- Operating manual.
- Set of BSP or NPT adaptors plus right angled adapter to take above.
- Spirit level.
- Operating fluid.



## MODELS AND RANGES

psi

Single piston	Range	Weights nr.	Weight schedule	Smallest step
0120	4...500	13	4x2; 1x10; 4x20; 4x100 psi	2 psi
0150	200...5000	13	4x20; 1x100; 4x200; 4x1000 psi	20 psi
Dual piston	Range	Weights nr.	Weight schedule	Smallest step
0230	4...5000	13	4x2; 1x10; 4x20; 4x100 psi (see note1)	2 psi
0250	4...10000	18	4x2; 1x10; 4x20; 9x100 psi (see note 1)	2 psi

kgf/cm<sup>2</sup>

Single piston	Range	Weights nr.	Weight schedule	Smallest step
0120	0,2...35	12	4x0,2; 1x1; 4x2; 3x10 kgf/cm <sup>2</sup>	0,2 kgf/cm <sup>2</sup>
0150	20...350	12	4x2; 1x10; 4x20; 3x100 kgf/cm <sup>2</sup>	2 kgf/cm <sup>2</sup>
Dual piston	Range	Weights nr.	Weight schedule	Smallest step
0230	0,2...350	12	4x0,2; 1x1; 4x2; 3x10 kgf/cm <sup>2</sup> (see note 1)	0,2 kgf/cm <sup>2</sup>
0250	0,2...700	15	4x0,2; 1x1; 4x2; 6x10 kgf/cm <sup>2</sup> (see note 1)	0,2 kgf/cm <sup>2</sup>

bar

Single piston	Range	Weights nr.	Weight schedule	Smallest step
0120	0,2...35	13	4x0,2; 1x1; 4x2; 3x10 bar	0,2 bar
0150	20...350	13	4x2; 1x10; 4x20; 3x100 bar	2 bar
Dual piston	Range	Weights nr.	Weight schedule	Smallest step
0230	0,2...350	12	4x0,2; 1x1; 4x2; 3x10 bar (see note 1)	0,2 bar
0250	0,2...700	15	4x0,2; 1x1; 4x2; 6x10 bar (see note 1)	0,2 bar

1) Multiply by 10 when used on high pressure piston

## OPTIONS

Set of BSP adaptors
Set of NPT adaptors
Incremental weights set
Flexible hose 1000 bar rated
Cleantester, diaphragm seal
PressCal software datas' correction

## "HOW TO ORDER" SEQUENCE

Section / Model / Accuracy / Version / Range / Options

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