

PDW Series Portable Hydraulic Deadweight Testers



Specification

Range: 0.2 to 700 bar / 4 to 10,000 psi
Higher accuracy: 0.015% of reading.
Standard accuracy: 0.025% of reading.
Traceability: NPL, NIST
Weights: Stainless steel, non magnetic.
Priming: Hydraulic hand pump for coarse pressure and volume adjuster for fine pressure control.
Pressure Connection: Quick-fit self sealing connection to test station.
Standard corrections:
 Gravity: 9.80665 m/s² *
 Temperature: 20°C *
 Air density: 1.2 kg/m³
Weight: Tester 15.5 kg
 Weights 16 kg / 32 kg
Dimensions: Tester 465 x 370 x 200mm max.
 Weights 230 x 230 x 220mm.
Operating fluid: Mineral based oil to SI specifications.



Standard accessories

All testers are supplied with:

- Certificate of accuracy of deadweight tester.
- Operating manual.
- Set of stainless steel weights in aluminium carrying case.
- Set of BSP & NPT adaptors.
- Spirit Level.
- Operating Fluid.

Optional accessories:

- Flexible hose with quick-fits (HK1-1000).
- Fluid separator to isolate item under test from oil in deadweight tester.
- Conversion weight sets.
- Incremental weight sets.
- PressCal Software.
- UKAS Certification.

ORDERING CODES

Order Code No.	Pressure Range			No. of weights per set
	-4 psi	-5 kgf/cm ²	-6 bar	
SINGLE PISTON				
PDW120	4-500	0.2-35	0.2-35	12/13
PDW150	100-5000	10-350	10-350	12/13
DUAL PISTON				
PDW230	4-5000	0.2-350	0.2-350	12/13
PDW250	4-10,000	0.2-700	0.2-700	15/17

Other units available upon request. * All models can be supplied corrected for gravity and/or temperature - please specify when ordering

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