

hydraulic deadweight tester

DWT-2000

- Very cost effective deadweight tester
- Hydraulic operated
- Internal pressure source
- Ranges from 15 to 10.000 psi (1...700 bar)
- Weight flotation reference system
- Standard accuracy $\pm 0,025\%$ of reading
- NVLAP traceable certificate included



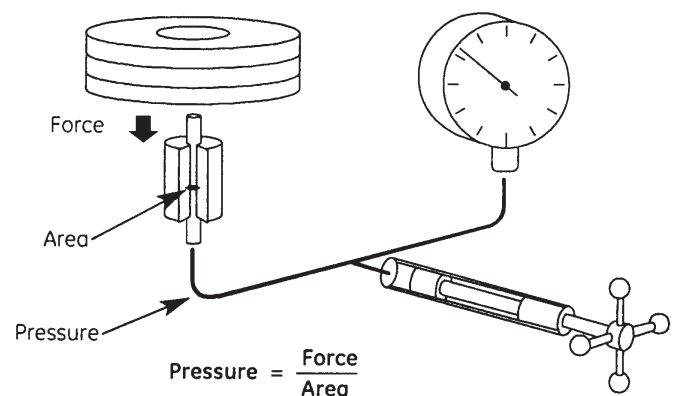
The series 2000 Deadweight Tester provide a cost effective, high quality precision pressure calibration source for almost every application. Carefully designed and manufactured, the DWT is inherently an accurate and very reliable device for calibrating pressure instruments. The choice of a model series 2000 determines both the uncertainties on the calibration and the ease of use. Key features which stems from an knowledge and experience in pressure calibration which began over 50 years ago.

7.DW2 - Standard Model

- Range:** max 10.000 psi (700 bar) .
- Standard accuracy:** 0,025% of reading (Cod. B).
- Other available accuracy:** 0,05% of reading (Cod. C).
- Traceability:** NVLAP or NIST
- Weights:** stainless steel, non magnetic .
- Priming:** direct via ram screw.
- Connection:** 1/4" BSP Female quick-fit self sealing connection to test station.
- Standard corrections:** gravity 9.80665 m/s^2 ; temperature 68°F (20°C); air density 1.2 kg/m^3 (others value on request).
- Weight tester:** 21 lbs (9,5 kg).
- Mass set weight:** 61 lbs (30 kg), dependent from pressure range.
- Tester dimensions:** (W x D x H) 14 x 11 x 7.5 in. (360 x 290 x 190 mm) max.

All testers are supplied with:

- Set of stainless steel weights.
- Certificate of accuracy.
- Operating manual.
- 1 litre operating fluid.
- Spirit level.



MODELS AND RANGES

psi

Models	Hydraulic fluid	Ranges	Weights nr.	Weights	Smallest step
2120	oil	10...500	14	4x1; 1x5; 4x10; 1x50; 4x100 psi	1 psi
2130	oil	20...1000	14	4x2; 1x10; 4x20; 1x100; 4x200 psi	2 psi
2150	oil	100...5000	14	4x10; 1x50; 4x100; 1x500; 4x1000 psi	10 psi
2170	oil	200...10000	14	4x20; 1x100; 4x200; 1x1000; 4x2000 psi	20 psi

kgf/cm²

Models	Hydraulic fluid	Ranges	Weights nr.	Weights	Smallest step
2120	oil	1...35	15	4x0,1; 1x0,5; 4x1; 6x5 kgf/cm ²	0,1 kgf/cm ²
2130	oil	2...75	15	4x0,2; 2x1; 4x2; 6x10 kgf/cm ²	0,2 kgf/cm ²
2150	oil	10...350	15	4x1; 1x5; 4x10; 6x50 kgf/cm ²	1 kgf/cm ²
2170	oil	20...700	15	4x2; 1x10; 4x20; 6x100 kgf/cm ²	2 kgf/cm ²

bar

Models	Hydraulic fluid	Ranges	Weights nr.	Weights	Smallest step
2120	oil	1...35	15	4x0,1; 1x0,5; 4x1; 6x5 bar	0,1 bar
2130	oil	2...75	15	4x0,2; 2x1; 4x2; 6x10 bar	0,2 bar
2150	oil	10...350	15	4x1; 1x5; 4x10; 6x50 bar	1 bar
2170	oil	20...700	15	4x2; 1x10; 4x20; 6x100 bar	2 bar

OPTIONS

Wooden carrying case for weights.
Incremental weights set
Set of BSP adaptors
Set of NPT adaptors
Cleantester, diaphragm seal
Service kit
PressCal software datas' correction

"HOW TO ORDER" SEQUENCE

Section / Model / Accuracy / Version / Range / Options

7 DW2 B
C