


S L SERIES



Hydraulic Deadweight Testers

- Primary Pressure Standard
- Accuracy better than 0.1% of reading
- Oil or Water operated
- Traceable to NIST
- Ram screw for fine control
- Stainless Steel weight masses
- Quick and easy to use



 A Druck Company

L SERIES

Hydraulic Deadweight Testers

The Deadweight Testers are supplied with a ram screw to easily control both rising and falling pressures. The test port design allows quick hand-tight sealing, without the need for teflon tape and wrenches. Each instrument can be manufactured to local gravity at no additional cost.

OIL OPERATED MODELS

MODEL	RANGE		
L1050	3	to	500 psi
L1200	15	to	1000 psi
L1300	15	to	2000 psi
L1400	35	to	3000 psi
L1500	35	to	5000 psi
L1000	70	to	10000 psi

WATER OPERATED MODELS

MODEL	RANGE		
LW1050	2	to	500 psi
LW1400	35	to	3000 psi
LW1500	35	to	5000 psi

Please note: Distilled or deionized water only, the instrument system must not become contaminated.

Note: All the above models are available in other pressure units.

Supplied as standard with each Deadweight Tester:

- NIST traceable certificate
- Operating instructions
- Calibrated weight set stowed in a wooden carrying case
- Steel carrying case for instrument
- 1/8", 1/4", 3/8", 1/2" NPT female adaptors
- Operating fluid
- Spare seals
- 2 year guarantee against normal operating failure

SPECIFICATIONS

Accuracy

0.1% of reading traceable to NIST, 0.05% also available

Weight Material

Series 3 non-magnetic austenitic stainless steel

Reference Temperature

68°F

Gravity

As requested on order, if unspecified then international standard 980.665 cm/S²

Operating Fluid

L Models : Oil
 LW Models : Distilled or deionized water

Minimum Standard Weight Increment

Model L or LW1050 1 psi
 Model L1200, L1300 1 psi
 Model L or LW1400, 1500 10 psi
 Model L1000 20 psi

Optional Extra Fractional Weights (Aluminum)

Model L or LW1050 0.1 psi
 Model L1200, L1300 0.5 psi
 Model L or LW1400, 1500 1 psi
 Model L1000 2 psi
Smaller weight increments are available on request

Piston Material

L Models Tungsten Carbide
 LW Models Stellite/Tungsten Carbide

Equipment Weight

Instrument 12 lbs
 Instrument carrying case 12 lbs
 Boxed weight set From 35 lbs to 65 lbs

Instrument Size

14" X 11" X 7" L X D X H

Instrument Carrying Case

15" X 12" X 8" L X D X H

Weight Box Size

8" X 8" X 12" L X D X H

A complete range of higher accuracy hydraulic and pneumatic Deadweight Testers are also available.



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