


# 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/S<sup>2</sup>

#### 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.**



**Pressurements**  
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