

S L SERIES

Hydraulic Deadweight Testers



- Primary Pressure Standard
- Accuracy better than 0.1% of reading
- Oil or Water operated
- Traceable to International Standards
- Flotation indicator (models above 35bar/500 psi)
- Fitted spirit level and levelling feet
- Quick and easy to use



The Deadweight Testers are fitted with a screw press to easily control both rising and falling pressures. The test port design allows quick hand-tight sealing, without the need for teflon tape and spanners. Each instrument can be manufactured to local gravity.

OIL OPERATED MODELS				
MODEL	RANGE			
L 1050/1	0.2	to	35	bar
L 1050/3	3	to	500	psi
L 1200/1	1	to	70	bar
L 1200/3	15	to	1000	psi
L 1300/1	1	to	140	bar
L 1300/3	15	to	2000	psi
L 1400/1	2.5	to	200	bar
L 1400/3	35	to	3000	psi
L 1500/1	2.5	to	350	bar
L 1500/3	35	to	5000	psi
L 1000/1	5	to	700	bar
L 1000/3	70	to	10000	psi

**Note: All the above models are available in other pressure units.
For kgf/cm² denote Model /2
For kPa denote Model /4**

WATER OPERATED MODELS				
MODEL	RANGE			
LW 1050/1	0.1	to	35	bar
LW 1050/3	2	to	500	psi
LW 1400/1	2.5	to	200	bar
LW 1400/3	35	to	3000	psi
LW 1500/1	2.5	to	350	bar
LW 1500/3	35	to	5000	psi

Please note: Distilled or deionised water only, the instruments system must not become contaminated.

Supplied as standard with each Deadweight Tester:

- Traceable certificate
- Operating Instructions
- Calibrated weight set stowed in a wooded carrying case
- Steel carrying case for instrument
- 1/8", 1/4", 3/8", 1/2" BSP or NPT female adaptors
- Operating fluid
- Spare seals
- 2 year guarantee against normal operating failure

Specifications	
Accuracy:	0.1% of reading traceable to NPL U.K. and NIST U.S.A.
Weight material:	Series 3 non-magnetic austenitic stainless steel
Reference temperature:	20°C
Temperature range:	Operating: 5°C to 35°C Storage: -20°C to 70°C
Gravity:	As requested on order, if unspecified then international standard 980.665 cm/S ²
Operating Fluid:	Oil
L models:	Distilled or Deionised water
LW models:	
Minimum standard weight increment:	
Model L or LW1050	0.05 bar, 0.05 kgf/cm ² , 1 psi, 5 kPa
Model L1200, L1300	0.2 bar, 0.2 kgf/cm ² , 1 psi, 20 kPa
Model L or LW1400, 1500	0.5 bar, 0.5 kgf/cm ² , 10 psi, 50 kPa
Model L1000	1 bar, 1 kgf/cm ² , 20 psi, 100 kPa
Optional extra fractional weights (aluminium):	
Model L or LW1050	0.01 bar, 0.01 kgf/cm ² , 0.1 psi, 1 kPa
Model L1200, L1300	0.05 bar, 0.05 kgf/cm ² , 0.5 psi, 5 kPa
Model L or LW1400, 1500	0.1 bar, 0.1 kgf/cm ² , 1 psi, 10 kPa
Model L1000	0.2 bar, 0.2 kgf/cm ² , 2 psi, 20 kPa
Smaller weight increments available on request	
Piston material: L Models:	Tungsten Carbide
LW Models:	Stellite/Tungsten Carbide
Cylinder material:	Hardened Martensitic Steel/Tungsten Carbide
Equipment weight:	
Instrument:	5.5 kg
Instrument carrying case:	5.5 kg
Boxed weight set:	From 16 kg to 30 kg
Instrument size:	35 x 29 x 17 cm L x D x H
Instrument carrying case:	38 x 31 x 20 cm L x D x H
Weight box size:	20 x 20 x 30 cm

A complete range of industrial, differential and absolute Deadweight Testers are available



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Represented by:

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