9000 Series **Hydraulic Deadweight Testers**

OIL AND WATER OPERATED UNITS AVAILABLE

Specification





Model 9190

Range: 1-5000 bar / 10-75,000 psi
Higher accuracy: 0.015% of reading.
Standard accuracy: 0.025% of reading.
Traceability: NPL, NIST.
Weights: Stainless steel, non magnetic.
35-140 kg (dependent on pressure range).
Priming: Direct via ram screw.
Standard corrections: Gravity 9.80665 m/s² *
Temperature 20°C *
Air density 1.2 kg/m³
Weight: Tester 18 kg
Model 9190: 30 kg
Dimensions: 455 x 340 x 478 mm max.
Operating Fluids: Oil Models - Mineral oils to 'SI' specifications.
Water Models - Distilled water.

Standard Accessories
All testers are supplied with:
- Certificate of calibration of deadweight tester.
- Operating manual.
- Set of stainless steel weights in carrying case.
- Set of adaptors consisting of 1/8", 1/4", 3/8", 1/2" BSP plus right angled adaptor to take above (not 9190)
- Note: NPT adaptors available on request (not 9190)- Part No.DW6127)
- Dust cover.
- Spirit level.
- Operating fluid.

Optional Accessories
Conversion Weight Sets to convert from one unit of pressure to another.
Incremental Weight Sets for smaller increments of pressure.
PressCal Software
UKAS Certification

ORDERING CODES (for motorised units, prefix the code with an 'M' e.g. M9120-4, please indicate AC voltage required. For water units add suffix 'W' to code e.g. 9250-6-W)

ORDER CODE No.	Water unit	PRESSURE RANGES					
		-4 psi	Weights per set	-5 kgf/cm²	Weights per set	-6 bar	Weights per set
SINGLE PISTON							
9120	•	10-500	12	1-35	13	1-35	13
9130		20-1000	12	2-75	14	2-75	14
9150	•	50-5000	12	5-350	13	5-350	13
9170	•	100-10000	12	10-700	13	10-700	13
9180		100-16,000	15	10-1100	17	10-1100	17
9190		500-30,000	19	35-2,000	23	35-2000	23
9190-H		750-75,000	36	50-5,000	29	50-5,000	29
DUAL PISTON							
9230	•	10-5,000	12	1-350	13	1-350	13
9250	•	10-10,000	12	1-700	13	1-700	13
9260		10-16,000	15	1-1100	17	1-1100	17

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

www.si-pressure.com

Tel: 0121 784 6855 (UK) Tel: +44 121 784 6855 (Int)
Fax: 0121 784 4795 (UK) Fax: +44 121 784 4795 (Int)
SI Pressure Instruments Ltd, Garretts Green Lane, Birmingham B33 OYA UK . sales@si-pressure.com

0453
FM 20157
PRESSURE INSTRUMENTS
31-0489 ISS.2 DIM.5233