

Primary Standards

Nagman Portable Hydraulic Dead Weight Testers

Bench-top / Table-top Model

Ideal for Fine Increments & for Medium Volume Calibration. Ensures – Easy & Controllable Pressure generation for Calibrating Pressure Gauges / Transducers / Transmitters, Transfer Standards, Recorders, Digital Calibrators etc.

Screw Pump with built-in Priming Pump

Models

H3000 / H6000 Series

- Ranges : Upto 700 Bar
- Accuracy : $\pm 0.1\%$ / $\pm 0.05\%$ of Reading
- Single Piston
- Oil operated
- Engineering Units : Bar / Kg/Cm² / PSI. (Kpa & Mpa also available).
- Spirit Level
- Piston Calibrated thro' "Cross Floating Techniques"
- Calibrated to Standard Gravity (Optional : Calibration to Local Gravity as per Customer's requirement)
- Accuracies Traceable to International Standards
- Mild Steel / Non-Magnetic Stainless Steel Weight Sets
- Fixed in a Sturdy Mobile Case for use in Field Calibration

* Pressure Gauge
not included



* High Accuracy Models available on request.

Manufactured by

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Specifications (Portable)

H3000 / H6000 Series

Ranges	35 / 70 / 100 / 160 / 350 / 600 / 700 Bar		
Piston	Single	Refer Table ②	
Standard Accuracy	±0.1% of Reading	} Refer Table ①	
Traceability	International Standards		
Weights	Mild Steel / Non-Magnetic Stainless Steel		
Pressure generation	Thro' Priming Pump & Screw Ram		
Standard Corrections	Gravity : 9.80665 m/s ² * / Temperature : 20°C / Air Density : 1.2 Kg/Cm ²		
Weight (approx.)	Instrument : 12 Kg. ; Weight Sets : 8 to 33 Kg.	Refer Table ②	
No. of Weights	12 to 15		
Instrument Dimensions	440 x 350 x 200 mm (L x B x H)		
Operating Fluid	Oil		

Table ①

Models	Accuracy	PCU	Weight Set	Certification	Remarks
H3000	±0.1% of Reading	Hardened Special Steel Piston & Matching Cylinder	Mild Steel / Non-Magnetic Stainless Steel	Overall Accuracy	Traceable to ISO/IEC 17025:2005 Accredited Calibration Lab
H6000	±0.05% of Reading				

* High Accuracy Models available on request.

Table ②

Piston Type	Piston Model	Pressure Ranges		
		1 / Bar	2 / Kg/Cm ²	3 / PSI
Single	SP-35	0.5 to 35	0.5 to 35	10 to 500
Single	SP-70	0.5 to 70	0.5 to 70	10 to 1000
Single	SP-100	5 to 100	5 to 100	75 to 1500
Single	SP-160	5 to 160	5 to 160	75 to 2500
Single	SP-350	5 to 350	5 to 350	75 to 5000
Single	SP-600	10 to 600	10 to 600	150 to 9000
Single	SP-700	10 to 700	10 to 700	150 to 10000

STANDARD DELIVERY

- Basic Instrument in a sturdy mobile case
- Calibrated M.S. / S.S Weight Sets
- Refer Table ① & ②
- Operating Fluid (500 ml)
- 'O' Ring & Seals
- Wooden Carrying Case for Weight Sets
- Traceable Calibration Certificate
- Instruction Manual

OPTIONALS

- Full set of Adaptors consisting of 1/8", 1/4", 3/8", 1/2" BSP (Set of NPT Adaptors available on request)
- Right angled Adaptor / Two Gauge Adaptor
- Conversion Weight Sets to convert from one unit of Pressure to another
- Incremental Weight Sets for smaller increments of Pressure
- Pointer Puller / Punch, Set of Spanners & Screw Driver
- Motorized Version
- Calibration Certificate from NABL Accredited Laboratory (as per ISO/IEC 17025:2005) - Refer Table ①