

Primary Standards

Nagman Hydraulic Dead Weight Testers

Precision 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

Model

H6600 Series

- Ranges : Upto 700 Bar
- Accuracy : $\pm 0.025\%$ of Reading
- Single / Dual Piston
- Oil operated
- Engineering Units : Bar / Kg/Cm² / PSI. (Kpa & Mpa also available).
- Adjustable Foot & 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
- Non-Magnetic Stainless Steel Weight Sets
- Calibration Certificate – for overall Accuracy + PCU (Area) + Weights (Mass) from NABL Accredited Lab – as per ISO/IEC 17025:2005
- DWTCal Calibration Software - optional



Motorized Version
- Optional

* Accessories shown above are not part of standard equipment.

Manufactured by

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Specifications

H6600 Series

Ranges	35 / 70 / 100 / 160 / 350 / 600 / 700 Bar		
Piston	Single / Dual		Refer Table ②
Standard Accuracy	±0.025% of Reading	}	Refer Table ①
Traceability	International Standards		
Weights	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 : 19 Kg. ; Weight Sets : 8 to 33 Kg.		Refer Table ②
No. of Weights	12 to 15		
Instrument Dimensions	530 x 325 x 230 mm (L x W x D)		
Operating Fluid	Oil		
DWTCal Software	Optional		

Table ①

Model	Accuracy	PCU	Weight Set	Certification	Remarks
H6600	±0.025% of Reading	Tungsten Carbide Piston & Matching Hardened Cylinder	Non-Magnetic Stainless Steel	Overall Accuracy + PCU (Area) + Weights (Mass)	Issued by NABL ISO/IEC 17025:2005 Accredited Lab

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	0.55 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
Dual	DP-160	1 to 160	1 to 160	15 to 2500
Dual	DP-350	1 to 350	1 to 350	15 to 5000
Dual	DP-600	1 to 600	1 to 600	15 to 9000
Dual	DP-700	1 to 700	1 to 700	15 to 10000

STANDARD DELIVERY

- Basic Instrument
- Full set of Adaptors consisting of 1/8", 1/4", 3/8", 1/2" BSP (Set of NPT Adaptors available on request)
- Calibrated S.S Weight Sets - Refer Table ① & ②
- Spirit Level, Pointer Puller / Punch, Set of Spanners & Screw Driver
- Operating Fluid (500 ml)
- 'O' Ring & Seals
- Dust Cover, Wooden Carrying Case (for Weight Sets)
- Calibration Certificate from NABL Accredited Laboratory (as per ISO/IEC 17025:2005) - Refer Table ①
- Instruction Manual

OPTIONALS

- 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
- DWTCal Calibration Software
- Motorized Version