Primary Standards

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.

Nagman Hydraulic Dead Weight Testers

High Precision Bench-top / Table-top Model

Screw Pump with built-in Priming Pump

Mode

H6900 Series

- Ranges: Upto 700 Bar
- Accuracy : ±0.015% 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



Motorized Version
- Optional



^{*} Accessories shown above are not part of standard equipment.

Manufactured by

Nagman Instruments & Electronics (P) Ltd.

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Specifications H6900 Series

Ranges	35 / 70 / 100 / 160 / 350 / 600 / 700 Bar				
Piston	Single / Dual	Refer Table 2			
Standard Accuracy	±0.015% of Reading				
Traceability	International Standards	Refer Table 0			
Weights	Non-Magnetic Stainless Steel	J			
Pressure generation	Thro' Priming Pump & Screw Ram	Thro' Priming Pump & Screw Ram			
Standard Corrections	Gravity: 9.80665 m/s ² * / Temperature: 20°C / Air De	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	Standard				

Table 0

Model	Accuracy	PCU	Weight Set	Certification	Remarks
H6900	±0.015% 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 @

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	
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 0 & 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)
- DWTCal Calibration Software
- Calibration Certificate from NABL Accredited Laboratory (as per ISO/IEC 17025:2005) - Refer Table •
- 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
- Motorized Version

Software

Nagman **DWTCal**

Pressure Calculation, Correction & Certificate Generation Software for Precision Dead Weight Testers

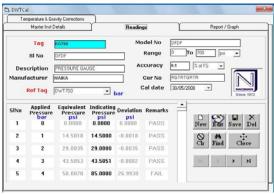
Flexible Working Tool for Easier, Quicker & More Accurate Calibration

Model

DWTCal

- Menu Driven, easy to use software
- Maintain Multiple Dead Weight Tester files
- 5 Pressure Units
- Pre-loaded Calibration Data
- Automatic generation of Calibration Certificates
- Pressure Equivalent calculations with all corrections applied
- Allows users to apply all necessary corrections (Local Gravity, Pressure Head, Temperature etc.) to enhance the performance / Accuracy of the Dead Weight Tester
- Calibration details are stored and/or automatically inserted into a Calibration Certificate
- MS-Windows Compatible





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