

Dead Weight Testers

Pneumatic

P8000 / P8600

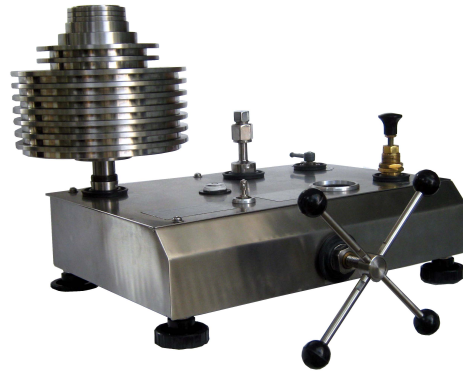
Bench-top / Table-top Model

Ideal tool for Fine Increments & for Medium Volume Applications. Ensures – easy & controllable Pressure generation for Calibration of Pneumatic Digital Indicators, Manometers, Pressure Transducers / Transmitters, Pneumatic Digital Calibrators / Pressure Gauges etc.

Screw Pump with built-in Priming Pump

SALIENT FEATURES

- Air / Gas operated
- Engineering Units : bar or Kg/Cm² or psi (Kpa & Mpa also available)
- Adjustable Foot & Spirit Level
- Piston Calibrated thro' "Cross Floating Techniques"
- Pressure generation direct via Priming Pump & Ram Screw
- Calibrated to Standard Gravity
(Optional : Calibration to Local Gravity as per Customer's requirement)
- Non-Magnetic Stainless Steel Weight Sets
- Built-in / Integral (Priming) Pump. Maximum Pressure: 7 bar
- * External Air supply required for Higher Pressures (Integrated with Pressure Gauge & Regulator)



SPECIFICATIONS

Ranges	0.5 to 1 / 2 / 10 / 20 / 35 bar *
Piston	Single
Standard Accuracy	±0.05% & ±0.025% of Reading
Traceability	International Standards
Pressure generation	Thro' Priming Pump & Screw Ram
Standard Corrections	Gravity : 9.80665 m/s ² * / Temperature : 23°C / Air Density : 1.2 Kg/Cm ²
Weight (approx.)	Instrument : 19 Kg. ; Weight Sets : 30 Kg.
No. of Weights	12 to 13
Instrument Dimensions	530 x 500 x 230 mm (L x W x H)

Table 1

Models	Accuracy	PCU	Weight Set	Certification	Remarks
P8000 / P8600	±0.05% / ±0.025% of Reading	Hardened Special Steel Piston & Matching Cylinder	Non-Magnetic Stainless Steel	Overall Accuracy	Refer Table 2

Table 2

Models	Pressure Ranges			Remarks
	1 / bar	2 / Kg/Cm ²	3 / psi	
P8000-SP	15 mBar to 1000 mBar (1 bar)	0.015 to 1	0.2 to 15	Traceable Calibration Certificate
P8000-SP	0.5 to 10 bar	0.5 to 10	10 to 150	
P8000-SP	0.5 to 20 bar	0.5 to 20	10 to 300	Issued by NABL ISO/IEC 17025:2017 Accredited Lab
P8000-SP	0.5 to 35 bar	0.5 to 35	10 to 500	

Models	Pressure Ranges			Remarks
	1 / bar	2 / Kg/Cm ²	3 / psi	
P8600-SP	15 mBar to 1000 mBar (1 bar)	0.015 to 1	0.2 to 15	Traceable Calibration Certificate
P8600-SP	0.5 to 10 bar	0.5 to 10	10 to 150	
P8600-SP	0.5 to 20 bar	0.5 to 20	10 to 300	Issued by NABL ISO/IEC 17025:2017 Accredited Lab
P8600-SP	0.5 to 35 bar	0.5 to 35	10 to 500	

STANDARD INCLUSIONS

- Basic Instrument
- Set of Adaptors (BSP or NPT)

	<u>BSP</u>	<u>NPT</u>
	¼" BSP(F) X ½" BSP (M)	¼" NPT(F) X ½" BSP (M)
	½" BSP(F) X ½" BSP (M)	¼" NPT(F) X ½" BSP (M)
	¾" BSP(F) X ½" BSP (M)	½" NPT(F) X ½" BSP (M)
		¾" NPT(F) X ½" BSP (M)
- Non-Magnetic Stainless Steel Weight Sets
- Spirit Level, Dust Cover & Wooden Carrying Case (for Weight Sets)
- Pointer Puller / Punch,
- Set of Spanners & Screw Driver
- 'O' Ring & Seals
- Traceable Calibration Certificate (for P8000 Series)
- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards (for P8600 Series)
- Instruction Manual

OPTIONAL (ADD-ON) ITEMS

- Two Gauge Adaptor
- Right angled Adaptor
- Conversion Weight Sets to convert from one unit of Pressure to another
- Incremental Weight Sets for smaller increments of Pressure
- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards (for P8000 Series)

Manufactured by



Since 1972

NAGMAN INSTRUMENTS AND ELECTRONICS PRIVATE LIMITED

AN ISO 9001:2015 CERTIFIED COMPANY

170/1a2, Chennai Bangalore Highway Road, Sembarambakkam, Chennai – 600 123. INDIA.

Phone - Domestic Sales 044-6677 7024, 044-6677 7005 Email : mktgchennai@naqman.com

Phone - Export Sales +91-44-6677 7025. Email : exports@naqman.com

www.nagman.com



Specifications subject to change owing to continuous development. Contact us for latest Datasheet.

NIE/TDS/P8000 P8600 Series/2309/00