

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

Madeco Hydraulic Dead Weight Testers

Bench-top / Table-top Model

Model:MDW 700B

Accuracy : $\pm 0.05\%$ of Reading

Ranges : Upto 700 Bar

Single / Dual Piston

Mild Steel / Non-Magnetic Stainless Steel Weight Sets

Calibrated to Standard Gravity (Optional : Calibration to Local Gravity as per Customer's requirement)

Adjustable Foot & Spirit Level

Piston Calibrated thro' "Cross Floating Techniques"

Engineering Units : Bar / Kg/Cm² / PSI. (Kpa & Mpa also available).

Accuracies Traceable to International Standards

Oil operated



**Motorized Version
- optional**

Specifications

Ranges	35 / 70 / 100 / 160 / 350 / 600 / 700 Bar
Piston	Single / Dual Refer Table 2
Standard Accuracy	±0.05% of Reading
Traceability	International Standards Refer Table 1
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 ³
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 2

Piston Type	Piston Model	Pressure Ranges		
		1 / Bar	2 / Kg/Cm ²	3 / PSI
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-600	10 to 600	10 to 600	150 to 9000
Single	SP-700	10 to 700	10 to 700	150 to 10000
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
- Calibrated M.S. / S.S Weight Sets - Refer Table 2
- Full set of Adaptors consisting of 1/8", 1/4", 3/8", 1/2" BSP (Set of NPT Adaptors available on request)
- Operating Fluid (500 ml)
- Spirit Level, Pointer Puller / Punch, Set of Spanners & Screw Driver
- 'O' Ring & Seals
- Dust Cover, Wooden Carrying Case (for Weight Sets)
- 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



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