PRECISION DEADWEIGHT TESTERS

0.1% ACCURACY; 15 to 10,000 psi

DWT1305 Series



- ✓ Easy-to-Use 2-Stage Hydraulic Pump
- 2 Interchangeable Piston/Cylinder Assemblies
- ✓ Vernier Screw Adjustment for Pressure Settings
- ✓ Portable—Rugged Carrying Case Provided

Each Unit Includes

- Hydraulic Pump
- ✓ Weight Set
- ✓ 2 Piston/Cylinder Assemblies
- ✓ 3 Wrenches
- ✓ Spare O-Rings
- ✓ Piping and Fittings
- ✓ Rugged Carrying Case
- Operator's Manual
- Optional NIST-Traceable Calibration



carrying case.

With the optional "-CAL-3" calibration, the DWT1305 can be a primary standard with 0.1% accuracy of the pressure produced. Each unit is adjusted for standard gravity conditions, all weights are labeled, and an NIST-traceable certification is supplied.

For optimal accuracy, deviation from standard gravity conditions must be applied to the readings.

Each unit comes with 2 interchangeable piston and cylinder assemblies. One is for

low pressure (below 2000 psi/ 14,000 kPa); the other is for high pressure (through 10,000 psi/ 70,000 kPa). The same weights are used with both pistons.

SPECIFICATIONS

Accuracy: 0.1% of produced pressure **Operating Pressure:** 15 to 10,000 psi

(100 to 70,000 kPa)

Body Material: Aluminum alloy **Piston and Cylinder Material:**

Stainless steel

Weights: Non-magnetic die-cast zinc

alloy, NBS traceable

Operating Fluid: SAE 20 automotive

or machine oil

"O" Rings: Standard Buna-N
Reservoir Volume: Approximately

0.7 liter (1.5 pints)

To Order											
	PISTON ASSEMBLY		PISTON		NUMBER OF WEIGHTS BY VALUE						
MODEL NO.	PRESSURE RANGE		VALUE		L-5	L-10	10 L-20 L-40 L-100		NET	NET WT.	
psi TYPE	LOW	HIGH	LOW	HIGH	H-25	H-50	H-100	H-200	H-500	lb	kg
DWT1305D-10	15/200	75/1000	5	25	1	3	2	3	_	60	27
DWT1305D-20	15/400	75/2000	5	25	1	3	2	3	2	70	32
DWT1305D-30	15/600	75/3000	5	25	1	3	2	3	4	85	39
DWT1305D-50	15/1000	75/5000	5	25	1	3	2	3	8	105	48
DWT1305D-100	15/2000	75/10,000	5	25	1	3	2	3	18	175	80
DWT1305D-10-CAL-3*	15/200	75/1000	5	25	1	3	2	3	_	60	27
DWT1305D-20-CAL-3*	15/400	75/2000	5	25	1	3	2	3	2	70	32
DWT1305D-30-CAL-3*	15/600	75/3000	5	25	1	3	2	3	4	85	39
DWT1305D-50-CAL-3*	15/1000	75/5000	5	25	1	3	2	3	8	105	48
DWT1305D-100-CAL-3*	15/2000	75/10,000	5	25	1	3	2	3	18	175	80

Comes complete with pump, weights, piston assemblies (2), o-rings, piping/fittings, wrenches, case and operator's manual.

Ordering Examples: DWT1305D-100-CAL-3, tester with 15 to 10,000 psi range with NIST-traceable calibration. **DWT1305D-50**, tester with 15 to 5000 psi range.

^{*} Units with "-CAL-3" suffix feature NIST traceable calibration as a primary standard.