

# PRECISION DEADWEIGHT TESTERS

## 0.1% ACCURACY; 15 to 10,000 psi

### DWT1305 Series

Starts at  
**\$4049**



- ✓ 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



DWT1305D-30, \$4389, shown smaller than actual size, comes complete as shown.

DWT1305 deadweight testers are dual-range, precision-built hydraulic instruments for testing, setting, calibrating, or repairing pressure-measuring devices. Each instrument is self-contained and comes with tools and metal 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)

**MOST POPULAR MODELS HIGHLIGHTED!**

#### To Order (Specify Model Number)

MODEL NO.	PRICE	PISTON ASSEMBLY PRESSURE RANGE		PISTON VALUE		NUMBER OF WEIGHTS BY VALUE					NET WT.	
		LOW	HIGH	LOW	HIGH	L-5	L-10	L-20	L-40	L-100	lb	kg
DWT1305D-10	\$4049	15/200	75/1000	5	25	1	3	2	3	—	60	27
DWT1305D-20	4280	15/400	75/2000	5	25	1	3	2	3	2	70	32
DWT1305D-30	4389	15/600	75/3000	5	25	1	3	2	3	4	85	39
DWT1305D-50	4535	15/1000	75/5000	5	25	1	3	2	3	8	105	48
DWT1305D-100	5560	15/2000	75/10,000	5	25	1	3	2	3	18	175	80
DWT1305D-10-CAL-3*	4345	15/200	75/1000	5	25	1	3	2	3	—	60	27
DWT1305D-20-CAL-3*	4550	15/400	75/2000	5	25	1	3	2	3	2	70	32
DWT1305D-30-CAL-3*	4690	15/600	75/3000	5	25	1	3	2	3	4	85	39
DWT1305D-50-CAL-3*	4875	15/1000	75/5000	5	25	1	3	2	3	8	105	48
DWT1305D-100-CAL-3*	6010	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.

\* Units with “-CAL-3” suffix feature NIST traceable calibration as a primary standard.

Ordering Examples: DWT1305D-100-CAL-3, tester with 15 to 10,000 psi range with NIST-traceable calibration, \$6010.

DWT1305D-50, tester with 15 to 5000 psi range, \$4535.



#### UNITED STATES

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