

1305D Deadweight Tester

FEATURES

- Accuracy: $\pm 0.1\%$ of reading
- Operating pressure: 15 to 10,000 psi
- Compatible with a variety of operating fluids

TYPICAL USES

- Calibration laboratories
- Portable for field calibrations



1305D Deadweight Tester
(Pressure gauge pictured not included)

SPECIFICATIONS

Accuracy:	Within $\pm 0.1\%$ of produced pressure (adjusted for standard gravity conditions; compensation for local gravity effects may be required)
Operating Pressure:	15 to 10,000 psi max.
Reservoir Volume	Approximately 1.5 pints (0.7 liter)
Pump Body Material	Aluminum alloy
Piston and Cylinder Material:	Piston: 440C Stainless Steel Cylinder: 416 Stainless Steel
Operating Fluid:	1305D – SAE 20 automotive or machine oil 1305DH – Phosphate or glycol base hydraulic fluids, (Monsanto Skydrol® 500B-4 or equal) Note: Not for use with water medium. For oxygen service applications, refer to models 1327DO or 1327CMO
Weight Material:	Non-magnetic die cast zinc alloy, ASTM AC41A
O-Ring Seals:	Standard (1305D and 1327DO) – Buna-N Optional (1305DH) – Ethylene Propylene
Accessories:	Metal carrying and storage box Lower connection offset pipe assembly Back connection pipe ¼ and ½ NPT Female adapters Wrench (1" x 1 1/8") Wrench (¾" x 1") Wrench (5/8") Pointer puller set Installation and Operation Manual Spare O-ring kit

KEY BENEFITS

- Primary standard ensures consistent accuracy
- Longer recalibration cycle
- Counters instability due to adiabatic heating

SPECIFICATIONS (Continued)

Certification:	Standard – Traceable calibration certificate provided for each gauge
Carrying Case Dimensions:	9¼" x 8½" x 22" (inches) (9¾" x 9" x 22" including latches and handle)
Weight Box:	Dimensions*: 9" x 9" x 8½" (inches)

*Two boxes required for type 1305D-100, all others require one box

1305D Deadweight Tester

ORDERING CODE	Example:	1305D	5	-50
Model				
1305D - Deadweight Tester		1305D		
Special Certification				
- Traceable calibration certificate (standard)				
5 - CD-5 Traceable calibration certificate package (optional)			5	
Operating Fluid				
- Petroleum Oil (standard)				
H - Phosphate Ester or Glycol based (optional)				
Range				
-10	Low 15/200 psi, High 75/1,000 psi			
-20	Low 15/400 psi, High 75/2,000 psi			
-30	Low 15/600 psi, High 75/3,000 psi			
-50	Low 15/1,000 psi, High 75/5,000 psi			-50
-100	Low 15/2,000 psi, High 75/10,000 psi			

Dimensions in inches and [mm]

