

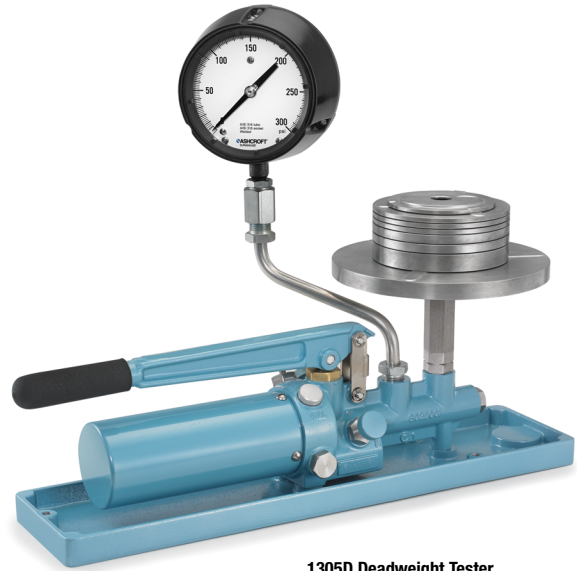
## 1305D Deadweight Tester

### 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 $\frac{1}{4}$ and $\frac{1}{2}$ NPT Female adapters Wrench ( $1\frac{1}{8}$ "") Wrench ( $\frac{1}{4}$ "x1"") Wrench ( $\frac{5}{8}$ "") 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:	$9\frac{1}{4}$ " x $8\frac{1}{2}$ " x 22" (inches) ( $9\frac{3}{4}$ " x 9" x 22" including latches and handle)
Weight Box:	Dimensions*: 9" x 9" x $8\frac{1}{2}$ " (inches)

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

# 1305D Deadweight Tester

<b>ORDERING CODE</b>	<b>Example:</b>	<b>1305D</b>	<b>5</b>	<b>-50</b>
<b>Model</b>				
1305D - Deadweight Tester		1305D		
<b>Special Certification</b>				
- Traceable calibration certificate (standard)				
5 - CD-5 Traceable calibration certificate package (optional)			5	
<b>Operating Fluid</b>				
- Petroleum Oil (standard)				
H - Phosphate Ester or Glycol based (optional)				
<b>Range</b>				
-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]

