

Item: Part No. 100-60

Description: Halliburton "Tru-Wate" pressurised fluid density scale, with case, standard scale.

The absolute density of a fluid sample is measured by using the Halliburton Tru-Wate™ pressurized fluid density scale exclusively manufactured by OFITE. The operation is similar to the conventional mud balance, with the additional capability of placing the sample in the cup under pressure.

Drilling fluids and foam cements often have a considerable amount of air entrained or trapped within the fluid that may give erroneous results when determining fluid density using conventional equipment. This air volume may be decreased to a negligible quantity by pressurizing the sample cup, which will then give more accurate density readings of the fluid itself.

The standard scale density may be read directly in units of: lbs/gal, lbs/cu. ft., specific gravity, psi/1000 ft.



Size: 22.5 x 5.5 x 5.5 inches (57.2 x 14 x 14 cm)

Weight: 9 lbs 6 oz (4.3 kg)

(Part Numbers in brackets refer to the original Halliburton part numbers)

Arm Components:

- 100-60-10 Balance Beam, Standard Scale (459.04715)
- 100-60-11 Bubble Level Assembly (459.04716)
- 100-60-25 Roll Pin for Rider Stop (70.35969)
- 100-60-27 Screw for Knife Edge Fulcrum Assy (70.44364)
- 100-60-28 Screw for Bubble Level Assembly (70.44363)
- 100-60-31 Set Screw f/Cup Point, 3/8" x 1/4" (70.44801)

Case Components:

- 100-60-02 Carrying Case (459.04723)
- 100-60-05 Fulcrum Point Assembly (90° angle) (459.04719)
- 100-60-19 Stand for Fulcrum Assembly (459.04721)
- 100-60-20 Screw for Stand in Case (70.44703)
- 100-60-21 Wing Nut for Stand in Case (70.33154)
- 100-60-22 Washer for Stand in Case (70.58791)
- 100-60-29 Operating Manual

Sample Cup Components:

- 100-60-06 Fluid Sample Cup (459.04711)
- 100-60-07 Cap, Brass (459.04709)
- 100-60-08 Lid (459.04712)
- 100-60-09 Check Valve (459.04714)
- 100-60-24 Retaining Ring for Valve (70.42295)

O-Rings and Washers:

- 100-60-01 O-Ring for Lid (70.33394)
- 100-60-14 Backup Washer f/Plunger Assy, Brass (459.04706)
- 142-54 Top O-Ring for Check Valve (70.33944)
- 142-56 Bottom O-Ring for Check Valve (70.33386)
- 170-07 O-Ring for Plunger Assembly (70.33817)

Plunger Assembly Components:

- 100-60-04 Plunger Assy, Complete, Pressurized (459.04701)
- 100-60-12 Stop for Piston (459.04703)
- 100-60-13 Packing Cup, Plastic (459.04707)
- 100-60-15 Compression Cylinder (459.04705)
- 100-60-16 Guide for Piston Rod, Brass (459.04704)
- 100-60-17 Piston Rod (459.04702)
- 100-60-18 Shoulder Screw for Packing Cup (459.04708)
- 100-60-26 Knob, Plastic (70.28242)

Optional:

- 100-60-SP One Year's Spare Parts for 100-60