

# Mud Testing Kits

## METEOR KIT

**#162-70 115-VOLT**

**#162-70-1 230-VOLT**

The OFITE Mud Engineer's Testing Equipment on Rollers (METEOR) Kit contains all the equipment you'll need to conduct tests on water and oil-based muds (with the optional ES Meter) - all in one waterproof, portable case! In addition to the standard mud balance, marsh funnel, and cup, the METEOR Kit includes an 8-Speed Viscometer, an HTHP Filter Press, a Full Area Filter Press, a pH meter, a retort, and a Methylene Blue Test (MBT) Kit, with ample room for regulators, supplies, and extra chemicals. The rugged, plastic case is built according to military specs, enabling it to withstand the harshest of conditions, while protecting your equipment.

**Size: 33.5" x 21" x 18" (85 x 53 x 46 cm)**

**Weight: 114 lb (51.8 kg)**



### #162-70 OFITE METEOR Kit

#### Components:

- #115-00 Mud Balance with Case, 4-Scale, Machined Arm
- #110-10 Marsh Funnel Viscometer, Plastic
- #110-20 Measuring Cup, 1,000 mL, Plastic
- #130-10 Model 800, 8-Speed Viscometer
- #130-38-4 Thermocup with Stainless Steel Insert (115-Volt Only)
- #130-38-6 Thermocup with Stainless Steel Insert (230-Volt Only)
- #142-53 Filter Press, API, Model MB
- #170-00 Filter Press, HTHP (115-Volt Only)
- #170-01 Filter Press, HTHP (230-Volt Only)
- #165-00 Retort, Removable, 10-mL (115-Volt Only)
- #165-10 Retort, Removable, 10-mL (230-Volt Only)
- #167-00 Sand Content Kit

#### Supplies:

- #140-55 Filter Paper, 3½" (9.0 cm), WLP, Box of 100
- #140-57 Filter Paper, Whatman Grade 1, 2¾" (7.0 cm), Package of 100
- #142-54 O-ring for T-fitting for Model MB Filter Press
- #142-58 O-ring for HTHP Coupling for Model MB Filter Press
- #142-60 O-ring for Model MB Test Cell
- #143-02-13 O-ring for Puncture Pin Holder Assembly
- #143-02-14 O-ring for Puncture Pin Holder Assembly
- #143-05 \*CO<sub>2</sub> Bulbs, 8-Gram, Package of 10 **UN1013**
- #144-90-05 Dropper Pipette, 2-mL, Poly
- #147-11 pH Meter, Solid State
- #147-53 pH Strips, 0 - 14, Package of 100
- #152-37 AC Power Cord, 3-Conductor (230-Volt Only)
- #153-02 Brush, Graduate, 1½" x 10½"
- #153-03 Brush, Graduate, ½" x 8"
- #153-06 Brush for 10-mL Receiver Tube

\*Requires special handling for shipping.

- #153-14-1 Case for 50-mL Graduated Cylinder, Polycarbonate
- #153-16 Graduated Cylinder, 25 mL x .2 mL, Glass
- #153-16-1 Case for 25-mL Graduated Cylinder, Polycarbonate
- #153-18-1 Graduated Cylinder, TD, 10 mL x .2 mL, Glass
- #153-26 Titration Dish, Polyethylene
- #153-31-1 Wash Bottle, 250 mL
- #153-34 Pipette, 1 mL x .01 mL, Glass
- #153-35 Case for 1, 2, and 5-mL Pipettes, Polycarbonate
- #153-36 Pipette, 2 mL x .1 mL, Glass
- #153-38 Pipette, 5 mL x .1mL, Glass
- #153-39 Case for 10-mL Pipette, Polycarbonate
- #153-40 Pipette, 10 mL x .1 mL, Glass
- #153-41 Pipette Aid (Safety Bulb)
- #153-50-1 Erlenmeyer Flask, 125-mL
- #153-55 Stopcock Grease, 150 g Tube, Silicone
- #153-60 Syringe, Disposable, 3 cc
- #154-05 Thermometer with 4" Probe, Digital, 14° - 392°F (-10° - 200°C)
- #154-75 Scoop, Brass
- #155-05 Electronic Clock / Timer
- #162-73 Turtlebox, 6½" x 3½" x 3½"
- #162-75 Tool Box, Cantilever
- #162-76 Tackle Box, Plano 378, Plastic
- #162-77 Sample Bottle, 4 oz, Polypropylene
- #165-42 Steel Wool, Grade 00. Fine, Pack of 4 Pads
- #165-44 Thread Lubricant, High-Temperature, 1 oz
- #168-01 Hot Plate with Thermostat (115-Volt Only)
- #168-01-1 Hot Plate with Thermostat (230-Volt Only)
- #168-04 Stirring Rod, 6", Glass
- #170-13 O-ring for HTHP Test Cell, Buna N
- #170-16 Valve Stem
- #170-17 O-ring, Valve Stem
- #170-19 Filter Paper for Filter Presses, 2½" (6.35 cm)
- #170-26 Locking Screw, Stainless Steel
- #171-22 Retainer Pin

#### Reagents:

- #200-01 Methylene Blue Solution, 1 mL - 0.01 ME, 8 oz (250 mL)
- #200-11 Hydrogen Peroxide, 3%, 8 oz (250 mL)
- #205-02 Versenate® Hardness Indicator Solution, 2 oz (60 mL)
- #205-04-01 \*Hardness Buffer, 1 oz (30 mL) **UN2672**
- #205-06 Versenate® Hardness Titration Solution, 1 mL = 2 EPM, 8 oz (250 mL)
- #205-10 Versenate® Hardness Titration Solution, 1 mL = 20 EPM, 8 oz (250 mL)
- #205-14-01 Calcium Buffer, 1 oz (30 mL)
- #210-00-2 CalVer® 2, 20 g, 1 oz Bottle (30 mL)
- #215-00 Potassium Chromate Solution, 2 oz (60 mL)
- #220-00 Phenolphthalein Solution, 2 oz (60 mL)
- #230-00-01 \*Sulfuric Acid, N/10, 1 oz (30 mL) **UN2796**
- #230-15-01 \*Sulfuric Acid, 5 N, 1 oz (30 mL) **UN2796**
- #230-17-01 \*Sulfuric Acid, N/50, 1 oz (30 mL) **UN2796**
- #240-00 Methyl Orange Indicator Solution, 2 oz (60 mL)
- #261-55-01 Masking Agent, 1 oz (30 mL)
- #265-00 Silver Nitrate Solution, .001 g, 0.0282 N, 8 oz (250 mL)
- #265-06 Silver Nitrate Solution, 0.01 g, 0.282 N, 8 oz (250 mL)

#### Case:

- #162-72 Case with Rollers and Foam Insert, Waterproof, Plastic
- #162-72-4 Velcro Strip

#### Optional:

- #131-50 Emulsion Stability Tester
- #153-25-2 Centrifuge for 100-mL Tubes, Hand-Crank, 2-Place Head and Shields
- #153-51-2 Beaker, 600 mL, Glass
- #163-20 Mixer for Mud Cup, 115-Volt
- #171-50 Filter Press, HTHP, Model MB, 115-Volt
- #171-51 Filter Press, HTHP, Model MB, 230-Volt