

# Retort Kit, 50 mL, with Electronic Temperature Control



**Brand:** OFI Testing Equipment, Inc.  
**Product Code:** 165-14-2  
**Availability:** 5

## Description

The Retort provides a method for measuring the percentage (%) of oil, water, and solids (suspended and dissolved) contained in a sample of water-based or oil-based drilling fluids and cuttings. Knowledge of oil, water, and solid content is fundamental to proper control of mud properties when considering oil/water ratios, rheology, density, filtration, and salinity. Knowledge of solids in drilling fluids is essential to evaluation of viscosity control and solids control equipment.

Electronic temperature control (available on 50 mL and 20 mL sizes) provides more accurate, reliable, and reproducible testing. The digital display shows the current working temperature, so you always know your test conditions.

## Features

- Rugged, stainless steel carrying case
- Electronic temperature control
- Improves accuracy and readability
- Digital display
- Provides better reproducibility
- Ultimate in portability
- Small footprint if used in laboratory
- Accurate, tamper proof temperature controller
- Includes all accessories necessary to run a test

- Recommended for testing cuttings

## Specifications

- Temperature Control: Electronic Variable Temperature Control
- Maximum Temperature: 1000°F (537° C)
- Cell Capacity: 50 mL
- Heating Capacity: 500 Watts
- Power Requirement: 115 Volt at 3 Amp or 230 Volt at 1.5 Amp, 50/60 Hz
- Size: 9 × 7 × 12 inches (23 × 18 × 30 cm) 20 lb (9.07 kg)
- Weight: 20 lb (9.07 kg)

## Components

- #130-79-53-0990: Thermostat (#165-14 Only)
- #130-79-54-0990: Thermostat (#165-14-1 Only)
- #153-02: Brush, Graduate, 1 1/2" × 10 3/4"
- #153-14: Graduated Cylinder, 50 mL × 1 mL
- #165-07: Receiver Tube (JP Tube) for 50 mL Retort, Dual Scale: 0 - 100% × .5% and 0 - 50 mL × .25 mL, Certified
- #165-14-10: Fuse, 1 Amp
- #165-14-13: T-handle Drill
- #165-15-1: Condenser with Ultra-Torr Fitting, 50 mL
- #165-15-4: O-ring for Ultra-Torr Fitting
- #165-16: Retort Chamber with Lid, 50 mL
- #165-41: Corkscrew
- #165-42-001: Steel Wool, Grade 00 Fine, Package of 16 Pads
- #165-43: Pipe Cleaner
- #165-44-2 Anti Seize Compound, Silver, 7g Pouch
- #165-80-4: Electronic Temperature Controller
- #165-88: Spatula
- #172-07: Fuse, 5 Amp
- #280-00: Wetting Agent, 1 oz

### For 115 Volt Only (#165-14-2)

- #122-074-1: Fuse, 5 Amp, 5 mm × 20 mm
- #165-35-1: Heating Element, 500 Watt
- #152-37: Power Cord

### For 230 Volt Only (#165-14-3)

- #122-073-1: Fuse, 3 Amp, 5 mm × 20 mm
- #165-36-1: Heating Element, 500 Watt
- #152-38: Power Cord

## **Optional**

- #153-08: Brush for 50 mL Receiver (JP) Tube
- #165-07: 50 mL Receiver Tube for Retort, 2-scales, 0-100% × 0.1, 0-50 mL × 0.1 mL, with certificate
- #165-14-SP: Spare Parts Kit, 115 Volt
- #165-14-1-SP: Spare Parts Kit, 230 Volt
- #165-14-7: Special Legs for Use with JP Tubes
- #165-16-4: Retort Chamber with Threaded Tube and Lid
- #165-40: Power Cable, 115 Volt (For older model retorts)
- #165-40-1: Power Cable, 230 Volt (For older model retorts)

## **Part Numbers**

- #165-14-2: 115 Volt
- #165-14-3: 230 Volt