# **Emulsion Stability Tester**



Brand: OFI Testing Equipment, Inc.

Phone: 832-320-7300 - Email: sales@ofite.com

Product Code: 131-50

Availability: 16 Lead Time: 90

#### **Description**

The Electrical Stability (ES) of an oil-based drilling fluid is a property related to its emulsion stability and oil wetting ability. The OFITE Emulsion Stability Tester determines ES by applying a precision voltage-ramped sinusoidal signal across a pair of parallel flat plate electrodes that are immersed in the fluid.

## **Features**

- API recommended sinewave circuitry
- Symmetry of the sinusoidal signal inhibits the buildup of solids on the electrode faces and enhances reproducibility.
- Push button automatic voltage ramping at a fixed ramp rate
- Includes meter, probe electrode, calibration standards, and four 9-volt alkaline batteries

## **Specifications**

#### Meter

- Wave form: Sine, < 5% total harmonic distortion
- AC Frequency: 340 ± 10 Hz
- Output Units: Peak Volts
- Ramp Rate: 150 ± 10 Volts per second, automatic operation
- Minimum Output Range: 3 2,000 Volts (Peak)
- Trip Current: 61 ± 5 μA

- Size:  $9.5" \times 6.5" \times 3.5" (24.1 \times 16.5 \times 8.9 \text{ cm})$
- Weight: 2 lb 15 oz. (1.3 kg)
- Shipping Size: 11" × 11" × 7" (28 × 28 × 18 cm)
- Shipping Weight: 10 lb (4.54 kg)

### **Electrode**

- Housing: Material resistant to oil mud components up to 220°F (105°C)
- Material: Corrosion-resistant metal
- Diameter:  $0.125" \pm 0.001"$  (3.18 ± 0.03 mm)
- Spacing (gap): 0.061" ± 0.001" (1.55 ± 0.03 mm) at 72°F (22°C)

## **Components**

- #131-01: Probe
- #131-51: Calibration Standards, High and Low
- #147-02: Battery, 9 Volt, Alkaline

# **Optional**

- #131-50-SP: Spare Parts Kit
- #154-01: Thermometer, 5" Stem, Metal Dial, 0° 220°F (-10° 100°C)
- #154-22: Thermometer, Pocket, 5" Stem, 1" Dial, 0° 220°F

## **Part Number**

• #131-50

## **Product Gallery**