

# Hygromaster 2 Hygrometer with Short QuickStick Sensor and Case



**Brand:**  
**Product Code:** 153-59-01  
**Availability:** Call for availability  
**Lead Time:** 30

## Description

Since water intrusion into a formation can decrease borehole stability, the affinity for water of a shale on a drilling fluid is a major concern. The Hygrometer, or Activity Meter, as it is sometimes called, provides a measurement of relative humidity in a closed space above an emulsified fluid and relates the humidity to the activity of the water. Activity is defined as the chemical potential or the reaction availability of water. Water loss to the formation from an oil-based fluid may be lowered by dissolving salt in the emulsified water, thereby lowering its activity.

### Features

- Provides a measurement of relative humidity in a closed space above an emulsified fluid and relates the humidity to the activity of the water
- Infrared non-contact surface temperature
- Psychrometric calculations
- Data logging
- Simple to use interface with color display
- Fast temperature and humidity response
- Replaceable humidity and temperature sensor
- Highly accurate

### Specifications

- Relative humidity: 0 - 100 %rh
- Temperature: 32° - 122°F (0 - 50°C)
- Size: 7" × 3.2" × 1.5" (18 × 8 × 4 cm)
- Weight: 8 oz (0.2 kg)

### Optional

- #153-59-1 Extension Lead for Hygrostick
- #153-59-3 Hygrostick Probe, Tip Only
- #153-71 Glass Jar with Grommet
- #153-72 Glass Jar without Grommet
- #153-59-4 Calcium Chloride, Saturated, 4 oz
- #153-59-5 \*Calcium Nitrate, Saturated, 4 oz, UN3139
- #153-59-6 \*Potassium Nitrate, Saturated, 4 oz, UN3139
- #153-59-7 Sodium Chloride, Saturated, 4 oz

### Part Number

- #153-59-01