

## PORTABLE AUTOMATED COLORIMETER



**K13260 Portable Automatic Colorimeter with K13351 Cylindrical Cuvette and K13353 Rectangular Cuvettes (Both Sold Separately)**

### Specifications

Conforms to the specifications of:  
 ASTM D156, D1209,  
 D1544, D6045; ISO 4630, 6271;  
 DIN 6162; NF M 07-003;  
 NF T 60-104; JIS K2580  
 Reproducibility:  $\pm 0.2\%$  T  
 (referenced to distilled water)  
 Reference Standard: distilled water  
 Data Output: RS232/printer  
 Light Source: krypton lamp

### Dimensions

lxwxh,in.(cm)  
 7.9x10x3.5 (20x26x90)  
 Net Weight: 2.9 lbs (1.3kg)

### Shipping Information

Shipping Weight: 10 lbs (4.5kg)

### Electrical Requirements

115-240V 50/60Hz **CE**

### Portable Automated Colorimeter

- Conforms to ASTM D156, D1544, D1209, DIN 6162, and related international test specifications
- Measures the 4 most important color scales used for liquid chemicals, resins, oils, fuels, and fats for liquid color measurement
- Portable design for remote applications

Single-beam filter colorimeter system utilizes reference beam path technology to measure samples over eight spectral wavelengths ranged between 400 and 700nm in comparison to 4 standard color scales. Provides photometric high precision color measurements that are objective, accurate, and consistent over a wide variety of samples required for quality control programs. Measurements are initiated by just a single key press and require less than one minute to complete. The test results can be either displayed on the LCD screen or sent to an external printer. Please contact Koehler Customer Support for assistance on additional accessories required for your application.

### Color Ranges

- Saybolt Color (ASTM D156, NF M 07-003)
- Iodine Color (DIN 6162)
- Hazen Color, APHA Color, Pt/Co Color (ASTM D1209, ISO 6271)
- Gardner Color (ASTM D1544, ISO 4630)

### Ordering Information

#### Catalog No.

**K13260**

Portable Automatic Colorimeter

#### Accessories

**K13551**

Starter Kit – Consists of Addista Color Standards; 50 x 10 Rectangular Cuvettes, Pk/10; Cuvette Set, 10 x 11mm round glass cuvettes

**K13550-1**

Thermal Printer with USB Connection

## AUTOMATED COLORIMETER FOR SAYBOLT AND ASTM COLOR



**K13150 Automated Colorimeter**

### Specifications

Conforms to the specifications of:  
 ASTM D156, D1500, D6045,  
 E 308; JIS K2580; ISO 2049;  
 NF M 07-003  
 Reproducibility:  $\pm 0.25\%$  T,  
 $\pm 1$  Saybolt value  
 Spectral Range: 410-710 nm  
 Data Output: RS232/printer  
 Light Source: tungsten halogen lamp  
 Illuminant: CIE Illuminant C  
 Observer: 2°

### Electrical Requirements

115-240V 50/60Hz **CE**

### Saybolt and Mineral Oil Colorimeter

- Conforms to ASTM D156, D1500, D6045, and related test specifications
- Designed for color measurement of waxes and other petroleum products

High precision spectrophotometer for objective color analysis of petroleum fuels, oils, waxes and petrochemicals according to the Saybolt and ASTM Color scales. Test results can also be displayed in terms of CIE values and spectral data. The colorimeter is rugged with a fabricated steel housing which is designed to function equally as a QC instrument within the laboratory or on 24 hour operation in a production environment. A diagnostic test routine allows users to conduct periodic checks on the instrument or to identify faults. Direct access of the precision filament lamp from outside the instrument allows for easy replacement. The colorimeter is also supplied with a colored glass filter of known Saybolt value for regular conformance testing. Equipped with integrated heater unit for melting solid samples such as fats and waxes and preventing from solidification within the cell during testing.

### Dimensions

lxwxh,in.(cm)  
 7.7x20.3x6.7 (19.5x51.5x17)  
 Net Weight: 17 lbs (7.75kg)

### Shipping Information

Shipping Weight: 23 lbs (10.5kg)

### Ordering Information

#### Catalog No.

**K13150**

Automatic Saybolt and ASTM Colorimeter,  
 115-240V 50/60 Hz