Saybolt Color of Petroleum Products

test method

The Saybolt Color test is used for quality control and product identification purposes on refined products having an ASTM Color of 0.5 or less. Products in this range include undyed motor and aviation gasolines, jet propulsion fuels, naphthas, kerosene and petroleum waxes. Color is an important quality characteristic for many products, and can also be used to detect product contamination. The Saybolt Chromometer measures color by comparing a column of sample against standard color discs. The Saybolt Wax Chromometer measures color of non-fluid waxes by heating the samples during the test.

saybolt and saybolt wax chromometers

- Conforms to ASTM D156 and related specifications
- Three-position color standard turret
- Tests non-fluid waxes and liquid petroleum products

Determines Saybolt Color of highly refined petroleum products. Consists of a matched set of sample and standard tube assemblies with optical viewer. Compares a sample of the product to be tested against standard color discs under a uniform light source. Reduce column height until the sample field is lighter than the color standard and convert height to Saybolt Color using chart on instrument. Three-position turret on standard tube permits convenient changing of color disc combinations. Accessory Daylight Lamp (Cat. No. K13010) provides standard light source per ASTM specifications.

For petroleum waxes, the Saybolt Wax Chromometer is equipped with heaters to keep waxes that are not fluid at ambient temperature molten during testing. Sample tube has a 200W chrome steel strip heater and a hinged cover to maintain even heat distribution. An aluminum block heater with 50W cartridge element keeps wax molten in the draincock assembly. Accessory variable transformer may be used to egulate the sample temperature. Optical viewer and stand are fully insulated from the heaters. Sample tube assembly has heat resistant fiber handles.

K13009 Saybolt Chromometer

specifications

Conforms to the specifications of:
ASTM D156; DIN 51411; FTM 791-101; NF M 07-003
Electrical Requirements:
115V 60Hz   220-240V 50/60Hz

Included Accessories
Whole Color Standards (3)   Half Color Standard (1)
Engraved Conversion Chart

Dimensions lxwxh,in.(cm)
   5.5x5.5x26.5 (14x14x67)
Net Weight: 15.5 lbs (7kg)

Shipping Information
Shipping Weight: 31 lbs (14.1kg)
Dimensions: 4.0 Cu. ft.
Includes accessory lamp

ordering information

catalog no.	description	qty
K13009	Saybolt Chromometer	1
K13100	Saybolt Wax Chromometer, 115V 60Hz	1
K13190	Saybolt Wax Chromometer, 220-240V 50/60Hz	

accessories

K13010	Daylight Lamp - Meets ASTM D156 and related test specifications for illumination of Saybolt Chromometers. Adjustable for correct positioning. Standard 60W bulb not included.	
K13020	Whole Color Standard	
K13029	Half Color Standard	
K13032	Matched Set of Tubes with Turret Assembly for K13009 Saybolt Chromometer	
K13033	Matched Set of Tubes with Turret and Draincock Assembly for K13100/K13190 Saybolt Wax Chromometer	
279-115-005	Frosted Bulb, 60W, 115V	1
279-230-002	Frosted Bulb, 60W, 220-240V	