K10200 Automatic Aniline Point Apparatus

Ordering Information

Catalog No.		Order Qty
K10200	Automatic Aniline Point Apparatus, 115V 60Hz	1
K10290	Automatic Aniline Point Apparatus, 220-240V 50/60Hz	

Accessories

250-000-33F	ASTM 33F Thermometer Range: –36.5 to +107.5°F	1
250-000-33C	ASTM 33C Thermometer Range: –38 to +42°C	
250-000-34F	ASTM 34F Thermometer Range: 77 to 221°F	1
250-000-34C	ASTM 34C Thermometer Range: 25 to 105°C	
250-000-35F	ASTM 35F Thermometer Range: 194 to 338°F	1
250-000-35C	ASTM 35C Thermometer Range: 90 to 170°C	
K10210	Borosilicate Glass Test Cell with drain	
K10220	Heating-Cooling Tube with platinum element	

For NIST traceable certified thermometers, please refer to the ASTM Thermometer section on pages 184 through 191.

Aniline Point and Mixed Aniline Point of Petroleum Products and Hydrocarbon Solvents

Test Method

Aniline point is used to characterize pure hydrocarbons and to indicate the aromatic content of hydrocarbon mixtures. Equal volumes of aniline and sample or sample plus *n*-heptane are stirred together while being heated at a controlled rate. After the two phases become miscible, the mixture is cooled at a controlled rate and the temperature at which the two phases separate is the aniline point or mixed aniline point of the sample.

Automatic Aniline Point Apparatus

- Conforms to ASTM D611 and related specifications
- For samples ranging from clear to very dark
- Temperature range 0°C to 150°C (32°F to 302°F)
- Digital temperature display

Performs aniline point and mixed aniline point determinations automatically by means of a modified thin film technique (ASTM D611 Method E). The sample-aniline mixture is directly heated by a platinum immersion heater and the aniline point is detected photoelectrically. Temperature is displayed on a large LED indicator. Built-in pressure regulator and solenoid valve permit the use of cooling air for quicker cooling cycles or to determine subambient aniline point temperatures. Aniline points as low as 0°C (32°F) can be determined with the use of refrigerated cooling air. Equipped with variable controls for heater, light source and stirrer speed. Cabinet exterior surfaces have a chemical resistant polyurethane enamel finish.

Specifications

Conforms to the specifications of:
ASTM D611; IP 2; ISO 2977; DIN 51775; FTM 791-3601; NF M 07-021
Testing Range: 0 to 150°C (32 to 302°F)
Temperature Display: 0-999.9°C
Electrical Requirements: CE
115V 60Hz, Single Phase, 0.4A
220-240V 50/60Hz, Single Phase, 0.2A

Included Accessories

Standard Borosilicate Glass Test Cell with drain

Dimensions lxwxh,in.(cm)

14½x8½x20¾ (37x22x53)
Net Weight: 32½ lbs (14.7kg)

Shipping Information

Shipping Weight: 46 lbs (21kg)
Dimensions: 8.2 Cu. ft.