

## ANILINE POINT AND MIXED ANILINE POINT OF PETROLEUM PRODUCTS



K10200 Automatic Aniline Point Apparatus

### 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.

#### Ordering Information

| Catalog No. | Description   | 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<br>Range: -36.5 to +107.5°F | 1 |
| 250-000-33C | ASTM 33C Thermometer<br>Range: -38 to +42°C      |   |
| 250-000-34F | ASTM 34F Thermometer<br>Range: 77 to 221°F       | 1 |
| 250-000-34C | ASTM 34C Thermometer<br>Range: 25 to 105°C       |   |
| 250-000-35F | ASTM 35F Thermometer<br>Range: 194 to 338°F      | 1 |
| 250-000-35C | ASTM 35C Thermometer<br>Range: 90 to 170°C       |   |
| K10210      | Borosilicate Glass Test Cell with drain          |   |
| K10220      | Heating-Cooling Tube with platinum element       |   |

#### 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 l x w x h, in. (cm)

14½ x 8½ x 20½ (37 x 22 x 53)  
 Net Weight: 32½ lbs (14.7kg)

#### Shipping Information

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



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