

# Cloud and Pour Point of Petroleum Products

## test method

**ASTM D5771** - For the description of the determination of the cloud point of petroleum products and biodiesel fuels that are transparent in layers 40 mm in thickness, by an automatic instrument using an optical device. This test method covers the range of temperatures from -60 °C to + 49 °C with temperature resolution of 0.1 °C.

**ASTM D5950** - For the determination of pour point of petroleum products by an automatic instrument that tilts the test jar during cooling and detects movement of the surface of the test specimen with an optical device. This test method is designed to cover the range of temperatures from -66°C to +51°C.

## automatic cloud and pour point analyzer

- Conforms to ASTM D5771, D5950 and related specifications
- Integrated Touch Screen Control Panel
- Wireless Cloud Point Head
- Wireless Pour Point Head
- Automatic calibration by means of 10 Point RTD Calibration, Sample Calibration and Jacket calibration
- Integrated cooling system
- Industrial 10.4" Color Touch Screen
- Standard test methods are pre-programmed or user-defined test programs can be created
- Clear graph of temperature vs. time for sample and bath temperatures

The Automatic Cloud and Pour Point Analyzer is a state of the art piece of equipment for measuring cloud point by Optical Detection and pour point with the Automatic Tilt Method. The cloud point is an index of the lowest temperature of a petroleum product or biodiesel fuels utility for certain applications. Wax crystals of sufficient quantity can plug filters used in some fuel systems. The pour point of a petroleum product is an index of the lowest temperature of its utility for certain applications. Flow characteristics, such as pour point, can be critical for the correct operation of lubricating oil systems, fuel systems, and petroleum blending and pipeline operations.

## ordering information

### catalog no. description

<b>K77000</b>	Automatic Pour Point Analyzer, 110-240V 50/60 Hz
<b>K77001</b>	Automatic Cloud Point Analyzer, 110-240V 50/60 Hz

### accessories

<b>K77000-1</b>	Pour Point Head Assembly, Wireless
<b>K77000-2</b>	Pour Point Test Vessel
<b>K77001-1</b>	Cloud Point Head Assembly, Wireless
<b>K77001-2</b>	Cloud Point Test Vessel



K77000 Automatic Pour Point Analyzer

## specifications

Conforms to the Specifications of:

ASTM D5771, D5950

Correlates to:

ASTM D97, D2500, D5853, D6074, D6158; ISO 3015, 3016; IP 15, 219; DIN 51597; FTM 791- 201; NF T 60-105; JIS K2269

Temperature Range: +50 to -105 °C

Connectivity: 4-USB

1 - Ethernet

Electrical Requirements:

110-240V, 50/60Hz, Single Phase

Included Accessories

Wireless Cloud or Pour Point Head (Model dependent)

Cloud or Pour Point Test Jar (Model dependent)

Dimensions wxdxh,in.(cm)

12.5x15.5x26.25 (31.75x39.37x66.68)

Net Weight: 90 lb (41 kg)