AUTOMATIC CLOUD & POUR POINT ANALYZER
NTE 450

Performs Cloud and Pour Points in accordance with ASTM D97 and D2500

- Tilting pour point determination
- Pour point every l, 2, 3°C
- Cloud point every 1 or O.1°C
- Single position analyzer for cloud and / or Pour Point test
- Works in °C
- Fast testing mode available
- User programmable cooling steps
- Up to 4 instruments can be connected to external cooling bath
- Probes calibration menu
- Diagnostic service mode
- Networking capability
- Printer interface built-in

INSTRUMENT DESCRIPTION:

Our NTE 450 unit is now available with tilting determination of the pour point as required by ASTM D97 and includes the following features:

- Bench-size unit
- Microprocessor control with backlight display
- Waterproof touch screen display
- Built-in printer interface and printer delivered
- Software for printing results and programs
- Storage up to 200 results , Ethernet interface

The cooling jar with ASTM cooling steps controlled automatically.

Testing head on the same instrument can accomodate two types of tests : Cloud Point with optical fiber sensor, And/or Pour Point with ultra sonic sensor with mechanical tilting system, Testing sample receiver with level marker per ASTM with or without mirror .

An external cooling circulating bath is required to achieve the maximum lower temperature desired, i.e. for test down to -30°C or test down to -60°C.

AUTOMATIC VISCOSITY TUBES WASHER
VW6 - V2 VISCO WASH

Cleans up to 6 Viscometer tubes at a time (Cannon, Fenske, Ubbelohde, Zeitfuchs and others)

- Saves operating time
- Reduces solvent disposal
- Reduces calibration turn over
- Environmentally safe

INSTRUMENT DESCRIPTION:

The unit incorporates a heating rate control for the heating reactor mantle, timer, glass reactor, glass viscometer tubes holder, and top condenser cover. The utilities required to run the VW6-V2 unit are a 11OV or 220V plug and a tap water supply.

Saves operating time - cleans up to 6 viscometer tubes at a time in 5 to 25 minutes even the dirtiest ones such as: polymerized products, tar, asphalt, etc.

Reduces solvent disposal - in regular operation, only 1 liter of solvent is necessary per week.

Reduces calibration turn over - the very gentle cleaning process of the viscometer tubes permits reduction of the calibration frequency.

Environmentally safe - the instrument is a closed system that drastically reduces operator-solvent handling and exposure

AUTOMATIC POTENTIAL GUMS & INDUCTION PERIOD TESTER
Model NPI 442

As per ASTM D525, D873, D942, D5304 ISO 7536, IP 40, IP 138, IP 142, NFT 07013

- Fully automatic
- Automatic print out of test curves
- No water level to adjust
- Safety leak detection
- Pressure relief burst disc

INSTRUMENT BRIEF :

The Induction Period (ASTM D525) and Potential Residue (ASTM D873) are widely used methods for the determination of the stability of gasoline under accelerated oxidation conditions (ASTM D525) and for the determination of aviation reciprocating, turbine and jet engine fuels to form gum and deposits under accelerated aging conditions (ASTM D873).

The user-friendly design of the GECOX Model NPI 442 decreases potential sample preparation errors that most commonly occur during this type of ASTM testing. The unit is available in two configurations:

1. A Model with 2-Testing Positions and utilizes a 26L Water Bath with 1500W Heating Resistance.
2. A Model with 4-Testing Positions and offers the benefit of a temperature-controlled, Solid-Aluminum Block Bath which eliminates the need to adjust the level of water in the bath.

In both models, the regulation accuracy of the temperature is to the nearest 0.1 °C. Other main features for both models include:

- Built-in Embedded PC pentium Control Unit.
- Keyboard and Display for Easy Operation.
- Graphics Printer for Results and Curves Reports.
- PT1 00 Bath Probe with accuracy within 0.1 °C.
- Electronic Pressure Sensor for each position, 1-1200 KPa, with accuracy within 1 KPa (0-180 psi + 0.15 psi).
- Oxidation Vessel (ordered separately) with Quick Connectors for Easy Handling and St.St. Pressure Burst Disc for Safety Regulation, includes Glassware.

Performs test in accordance with ASTM D36, EN 1427, NFT 66008 ISO 4625, DIN 52011, NFT 66147, IP 58

- The four blade stirring system provides a perfect homogeneity as well as a perfect follow up of temperature gradients as required by the various standards.
- The operator can program the sensitivity of the photosensitive cells and can also validate the emergent stem correction.
- At the end of the test a cooling fan aimed at the heating block is automatically activated. The operator can stop the fan automatically or manually.

INSTRUMENT DESCRIPTION:

The automatic softening point tester NBA 440 uses the ring and ball method to determine the softening point of asphalt, bitumen, tar, pitch and resins. The NBA 440 unit includes a microprocessor control top section with waterproof keyboard and display.

The bottom section includes a control board, safety board, heating element, cooling fan, mechanical stirrer, lamp and two optical sensors, and a standard beaker with dual ring holder.

The mechanical stirrer is specially designed not to influence the falling of the balls and to insure good temperature homogeneity inside the beaker. The NBA 440 is delivered with a RS232 connection and printer outlets. Printing out temperature gradients all along a test process is also possible.

The user-friendly software allows to program safety cuts-off and keyboard calibrations, to display and print out configuration test reports that can be of interest for traceability.

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