

AUTOMATIC CLEVELAND OPEN CUP FLASH POINT Model NCL 440



As per ASTM D92

- The NCL 440 flash point opened-cup is strictly in accordance with the above-mentioned standards. It is equipped with two ignitors: electric and gas. The gas flame is monitored by a thermocouple for improved safety
- the NCL 440 is built with the state of the art technology and the large digital display allows test in progress to be viewed at distance. The flash point and the fire point are detected automatically using a flame ionization detector. A optional sample changer with 6 cups is available for unattended operation. A new sample may be inserted at any time during a test. A priority analysis function is provided to allow for an urgent test to start.

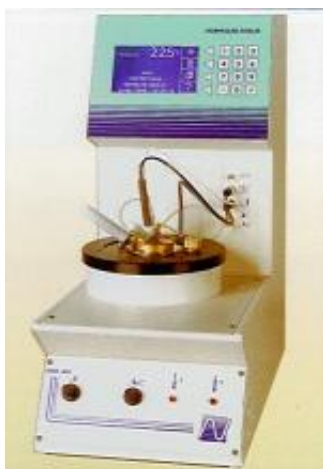


- The NCL 440 temperature range is from ambient to +400°. The NCL 440 can be connected to a network via an RS232C output to send data. 100 results are stored in the instrument's memory.
- A comprehensive user friendly software allows the operator to access menu and enter parameters for calibration, maintenance and diagnostic via the keyboard..

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AUTOMATIC PENSKY MARTENS FLASH POINT APPARATUS

NPM 440



In 1984 GT Instruments introduced its first generation of closed cup unit

- AUTOMATIC CLOSED CUP FLASH POINT PENSKY MARTENS
- ASTM D93A, D93B , IP34, ISO 2719, DIN 51758 and User defined test methods
- Built-in Electrical and Gas Ignitor Built-in Ionization Ring
- and Thermocouple Flash Detection Built-in barometer
- Serial Port for Data Transfer
- Standard Printer Interface
- Several Test Procedures:
 - Normalized
 - Go, No Go test for shipping regulations
 - Quick Unknown Flash determination
-

The new closed cup flash point, designed by our team of engineers, integrates more than 20 years of experience with previous models. These units faithfully perform ASTM test procedures automatically with repeatable accuracy, but also include other international methods. The new generation expands its field of application by using a thermocouple flash detector not affected by the water vapors contamination.

The results are memorized until the next test and can be printed or transferred to the LIMS.

An automatic air cool down cycle is immediately initiated and an audible alarm alerts the operator when the test is complete.

All of our flash testers include a service testing and diagnostic mode which allows the technician to troubleshoot each element of the apparatus.

As some laboratories do not have a gas line on-hand, our NPM 440 comes with a gas ignitor as requested by most mandatory methods. It is also equipped with an electric ignitor used as a pilot flame or a test flame applicator.

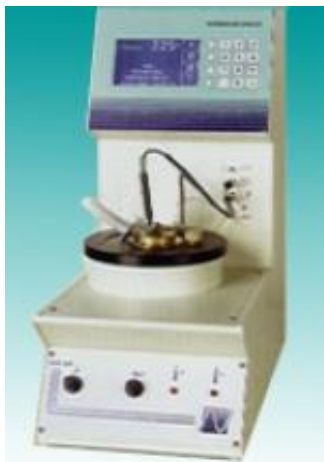
At no additional charge, the unit includes an inbuilt barometric pressure sensor to correct the results and alert the operator of the acceptable validity of the flash point detected

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AUTOMATIC FLASH POINT TAG NTA 440

As per ASTM D56

- Strictly in accordance with the above-mentioned standard this unit benefits from the latest technology improvements. For instance, the testing process can be supervised at distance thanks to a large graphic display. The instrument can also be used with a portable CO₂ gas cartridge kit. Aside the method
- required by the standard, a quick search method is available in order to find out the flash point of unknown samples. The dual detection system - thermal and ionization - allows testing all type of products.



The NTA 440 is delivered with a flame tip detector as well as an automatic gas cutoff at the end of the test process

- Changing the safety and operating parameters, calibrating through keyboard, modifying language and units, performing maintenance have become easy
- thanks to the new user-friendly software which also memorizes the previous 100 test results

The instrument can be connected to an external cryostat bath. During the test the system automatically operates solenoid valves in order to regulate the cooling

- medium. The heating block is rapidly cooled down at the end of the test
- The temperature curve can be printed out. The unit has been designed in order to operate between -28°C and +93°C

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