

PENSKY-MARTENS AUTOMATIC FLASH POINT TESTER WITH BAROMETRIC CORRECTION OF THE RESULT ASTM D 93 (A+B+C) - IP 34 - ISO 2719 (A+B) - DIN 51758

The apparatus is a benchtop model which houses the mechanical components and a miniature PC with touch screen. A software running under Windows Embedded permits to select the test method and the test parameters, run the test automatically, store, retrieve and print data, diagnose and calibrate the instrument offering in the meanwhile all the features of Windows systems such as LAN connectivity. The instrument is equipped with a sensor for barometric pressure for the correction of the results towards atmospheric pressure.



- Enamel finished benchtop steel and aluminium case.
- Cast iron air stove identical to the one reported on the ASTM method.
- Brass oil cup and lid with insulating handle. Jacket for glass-coated Pt100 RTD in the cover (n°1 Pt100 with cable and quick connector supplied with the instrument).
- Electric stirrer that stops during flame dipping. Stirrer speed: 105 rpm for ASTM D 93 method A and C and 250 rpm for method B. Other speeds can be selected for custom methods.
- Automatic flame dipping: provision for gas or electric ignitor.
- Electric heating: measuring range: from ambient to 400°C.
- Electric cooling fan to cool down the stove at the end of the test.
- Ignition system: a slide supporting both ignitor and pilot flame permits a quicker and safer removal of the cover at the end of the test, avoiding to disconnect electric ignitor cables and/or gas ignitor tubes that remain always connected. It is possible to use both gas or electric ignitor: when a gas ignitor is used, the electric one can be used as pilot flame.
- PC based controller with 8.4" color touch-screen interface. IP 65 front protection.
- Software characteristics: selection of the ASTM/IP test method or setup of up to 40 custom methods, setting of the test parameters through the touch screen, possibility to change the setpoint during the test, selectable rapid preheating (in case of sample with high flash point is possible to pre-heat the sample at a higher rate to speed-up the test), "search" option (for sample with unknown flash point), selectable cooling time, storage of up to 800 test results and possibility to retrieve and print test reports, calibration and diagnostic routines.
- LAN connectivity: the apparatus can be connected directly to a hub to become part of the user network: a software supplied with the apparatus permits to retrieve data also from another PC.
- Two USB and one RS-232 serial interfaces.
- Flash point detection through thermocouple sensor: the apparatus also provides an alert if a flash has occurred at the first flame application, warning that the test result is not reliable. The flash point temperature remains shown on the display until the operator's acknowledgement: buzzer to alert the user.
- Safety device is provided to stop the analyzer if a flash has not been detected at a temperature 30°C over the preset value. This safety device could be excluded to perform "search" tests.
- English written user manual. Microsoft Windows Embedded original license.
- Dimensions (l x w x h): mm 280 x 480 x 650. Weight: kg 20 approx.
- For 220 V/50 Hz connections: 800 W power consumption.
- CE marked.

AD0093-700 Apparatus

ACCESSORIES

AD0093-A00 Printer
CAL001 PT100 simulator
CAL003 Official Certificate for Pt100 simulator

CONSUMABLES

AD0093-C50 Oil cup
AD0093-C51 Lid
AD0093-C52 Pt100 probe
AD0093-C03 Electric ignitor
AD0093-C04 Gas ignitor

Specifications may vary without notice.

The apparatus includes the items listed aside the picture, accessories etc. should be purchased separately.

