AUTOMATED

Pensky Martens
Flash Point Analyzer

HFP 339

The HFP 339 Flash Point Analyzer is the latest generation of Herzog products well known for proven reliability, superior design and quality.

Pensky Martens flash point is automatically determined in strict compliance with the appropriate test method. In addition to standard test methods, the HFP 339 may be programmed with user-defined test protocols to test for samples with an unknown flash point.

To increase test productivity on products having an elevated flash point, the HFP 339 has the capability to start with an increased heating rate and automatically switches to the standard heating rate at the appropriate temperature to assure accurate results.

When the flash point is detected, the results are automatically corrected for barometric pressure and displayed on an easy to read HFP’s VF-Display. Results can automatically output to an optional printer or computer system (LIM). The last 9 results are memorized in the unit.

An alphanumeric solvent-proof keypad, large easy-to-read VF-Display and intuitive menu flow

ADVANTAGES

- Accurate determination of flash point
- Economic unit with low maintenance cost
- Simple, user-friendly operation
- Electric or gas Ignition
- Safety and Fire detection systems
- Proven, reliable operation
HERZOG HFP 339 FLASH POINT ANALYZER

SPECIFICATIONS

Ordering Information
HFP 339 Pensky Martens Flash Point Analyzer is a compact and self-contained instrument for precise Flash Point determination. Included is a user friendly manual machine interface, electric (standard) or gas (optional) ignition and thermal detection.

Standard Test Methods

Measuring Programs
Flash point determinations may be run using standard test method or customized test protocols; 6 standard programs and 3 user defined programs.

Operation
- Temperature Range: Per appropriate method or user defined; 0 to 400°C
- Heat Rate: Per appropriate method or user defined 0.5 to 14K/min;
- Ignition: Proven automatic algorithm with heater block temperature and sample temperature control
- Detection: Electric (standard) or gas (optional) ignition; adjustable test interval 0.5 to 5K;
- Sample Stirring: Thermal; eliminates interference from water or silicone-containing samples
- Barometric Pressure Correction: Per appropriate method or user defined 20 to 255 rpm
- Cooling: Built in barometric pressure sensor 700 to 1100 hPa; Flash Point is automatically corrected to barometric pressure;
- Pre Cooling: Built in fan with preprogrammed temperature for heater block cooling upon test completion, Pre cooling for heater block with optional cooling cup

Safety
- Fire Extinguisher: A built-in fire sensor instantly alerts user to flames outside the flash cup. A potential-free alarm relay contact is also available to link the HFP to fire suppression or remote alarm system.
- Over Heating Protection: Automatic heater shut down and audible signal when abnormal heater or sample temperature
- Safety Pre-test: The unit automatically recognizes a wrong sample for a given specification
- Password Security: Password protection for parameter and calibration

Calibration & Diagnostics
- Automatic calibration for temperature measuring unit
- Function for probe calibration and pressure sensor calibration in the menu
- Automatic diagnostic routines on all analyzer functions and messages for erroneous functions

Documentation
- On-screen real-time display of temperature and ambient pressure; last 9 results memory; detailed test report, date & time stamped
- Output to printer; transmitted to a PC and/or LIMS via built-in RS323 serial link
- Parameter print out

Operating Requirements
- Ambient Temperature: 10 to 35°C; relative humidity 80% at 35°C
- Electrical: 115V or 230V switchable; 50-60Hz; 1100 W

Dimensions & Weight
- 25cm W x 56cm D x 51cm H; 25 kg
- 9.85" W x 22" D x 20.1" H; 55 lb

ACCESSORIES

- Cooling Cup: For sub-ambient testing (below 40°C) cooling cup for pre cooling of heater block
- Low Volume Cup: 20 mL cup for low volume applications
- Metal Sample Probe: FP approx. 65°C and FP approx. 215°C
- Certified Reference Material: Parallel DeskJet printer or Dot Matrix ticket printer

Due to continuing product development, specifications subject to change at any time without notice.
All Herzog products are CE compliant.

Herzog Token Ring Netware allows easy resource sharing and facilitates LIMS connection. Single printer and LIMS gateway can be used by up to 16 HFP units in your lab.

FOR ADDITIONAL INFORMATION

USA
8824 Fallbrook Drive, Houston, Texas, 77064
800.444.4444 | Fax: 281.580.0719
sales@paclp.com | service-lab@paclp.com

France
BP 70285 - VERSO-14653 CARPIQUET Cedex
+33 (0) 231 266 300 | Fax:+33 (0) 231 266 293
sales@paclp.com.fr | service@paclp.fr

Germany
Badestrasse 3-5, P.O. Box 1241 D-97912 Lauda-Königshofen
+49 9343.6400 | Fax: +49 9343.640.101
sales@paclp.com.de | mail@service.paclp.de

Singapore
10, Eunos Road 8, #12-06 Singapore Post Centre 408600
+65 6742 8453 | Fax: +65 6742 8759
sales@paclp.com.sg | service@paclp.com.sg

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