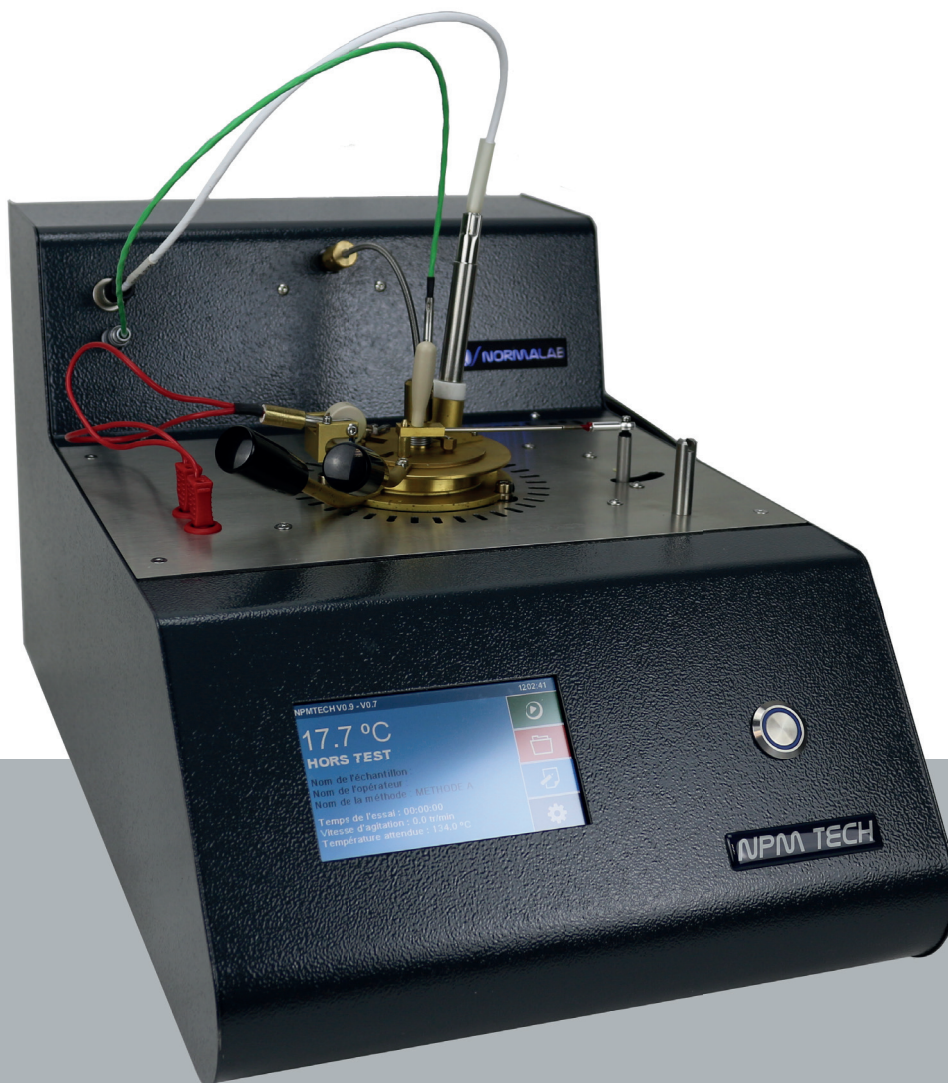


NPM TECH

PENSKY-MARTENS FLASH POINT TESTER



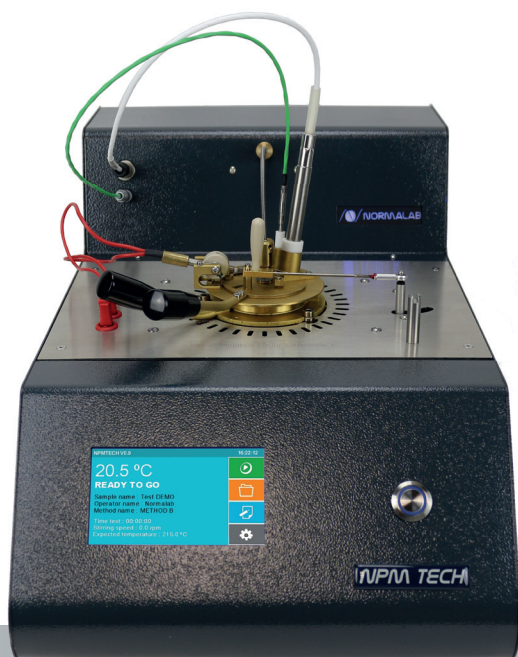
STANDARDS

ASTM D 93, IP 34, ISO 2719, NF M07019, DIN 51758, GBT 261, JIS K 2265-3 and related methods.

SCOPE

These test methods cover the determination of the flash point of petroleum products in the temperature range from 40 °C to 370 °C, and the determination of the flash point of biodiesel in the temperature range of 60 °C to 190 °C. Flash point is used in shipping and safety regulations to define flammable and combustible materials.

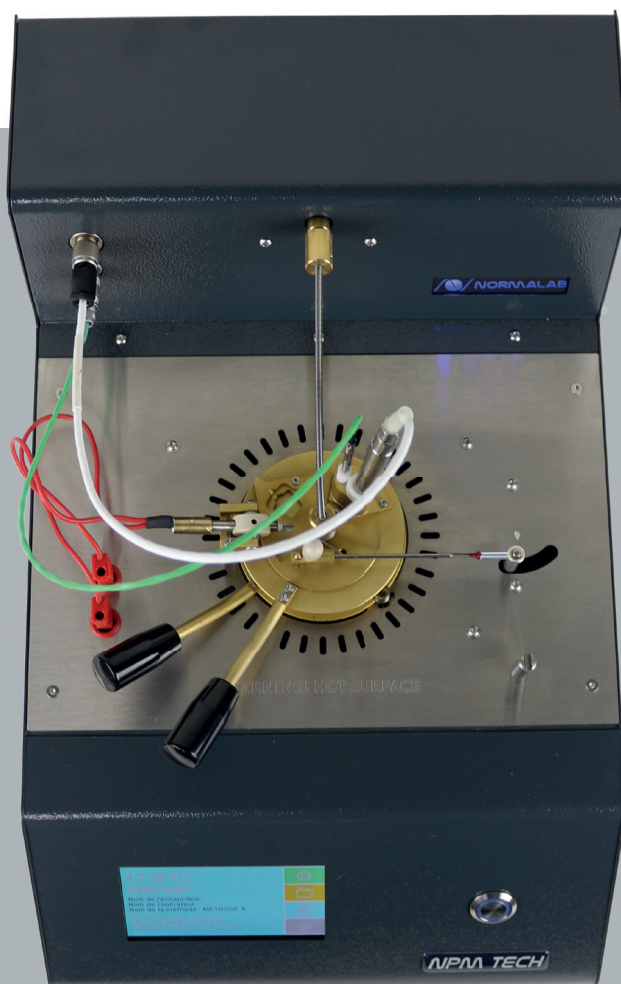
NPM Tech is a flash point tester developed by Normalab. Normalab has been designing and manufacturing petroleum testing instruments and glassware since 1963.



« HALF
AUTOMATED
FAST AND
RELIABLE »

SPECIFICATIONS

- Temperature range from ambient to 400°C
- Temperature display in °C or °F
- 4.3" resistive color touchscreen
- Class B Pt 100 probe
- 4 predefined methods (A/ A+/ B/ C)
- 1 research mode and 1 safety mode
- Fast cooling system by fan
- Automatic presentation by push button
- Automatic detection by thermocouple (no calibration required)
- Electric ignitor, adjustable from 0 to 30 W (no gas)
- Barometric correction with temperature compensation
- Adjustable and settable stirring speed from 0 to 250 Rpm
- Preheating sample with/without stirring
- Predefined temperature range depending on the method



*Photos are non-contractual - they may differ from actual products.

CONNECTION

- 1 RS232C port
- 2 Micro USB port for update

APPLICATION

- Petroleum industry
- Cosmetics and perfumes
- Pharmaceutical industry
- Chemical industry
- REACH applications
- Transportation class for hazardous goods
- Biodiesel
- Lubricants

Start test

Sample name :
Test DEMO

Operator name :
Normalab

Method name :
METHOD B

Expected temperature :
215.0 °C

METHOD A

☒ Stiring

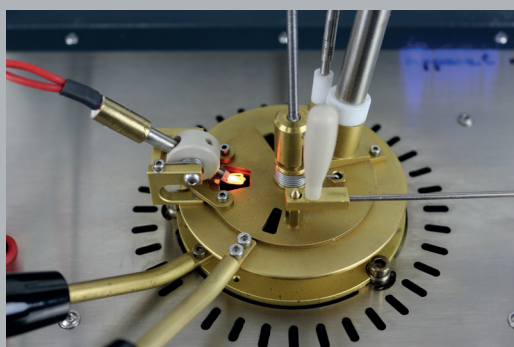
Stiring speed setpoint :
110 rpm

Power electric igniter :
80 %

Test stop temperature :
200.0 °C

Archives

Archive : 0/7
Date and time of test : 22/08/2019 - 10:52:23
Method name : METHOD A+
Standard name : ASTM D93
Sample name :
Operator name :
Time test : 00:00:30
Barometric Pressure : 1011.31 mbar
Test status : Failed 1st ignition test
Flash point : XXX.X °C
Corrected flash point : XXX.X °C



Calibration

Sample probe

Heating block probe

Barometric sensor

Servomotor

Touch screen

SOFTWARE FEATURES

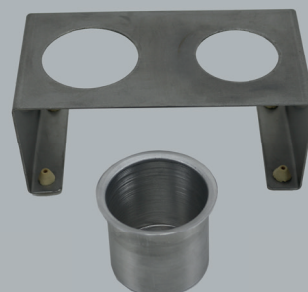
- User-friendly and intuitive software
- Predefined file
- Predefined ramps (5°C/min, 2°C/min and 1°C/min)
- Simplified temperature calibration
- Up to 5 calibration offsets
- Software update through micro USB
- Multilingual (FR / EN)
- Data transfer or printer by RS 232
- 20 last results in memory

SAFETY FEATURES

- Protection of the electric ignitor by thermal fuse
- Access protected by 1 password
- Dedicated alarm for each error message
- Sound alarms
- Visual indicator

OPTIONS

- RS 232 ticket printer
- NCAL calibration kit
- Cover and lid support



ORDERING INFORMATION

42100

Unique on the market, **NPM Tech** is a compact half automated instrument providing quick and reliable results. Operation is made easy and safe with minimum operators intervention.

Scope of delivery:

The NPM Tech tester includes :

- Lid with ignitor and thermocouple
- Cup
- Stirring cable
- Power cable
- Stylus

Site requirements:

- Power supply: 230 V (+/- 10%), 50/60 Hz - 5 A
- Dimension: (W) 280 x (D) 440 x (H) 250 mm
- Weight: 10,5 kg

SUMMARY

Temperature range	ambient to 400 °C	Detection	Thermocouple
Temperature accuracy	0,2 °C	Ignition	100% electrical
Temperature unit	°C ou °F	Cooling system	Mecanical fan
Temperature measurement	Probe Pt 100 (Class B)	Data storage	Micro SD (20 results)



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