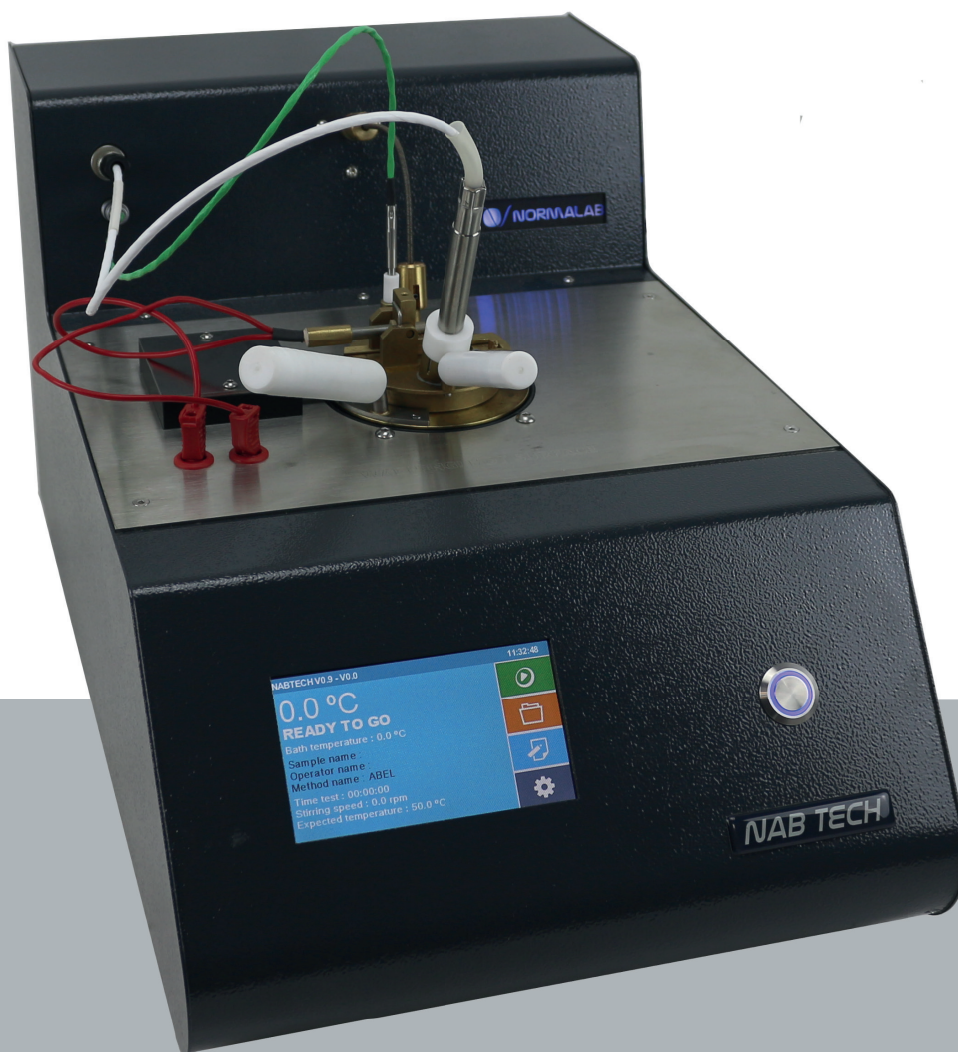


NAB TECH

FLASH POINT TESTER ABEL CLOSED-CUP METHOD



STANDARDS

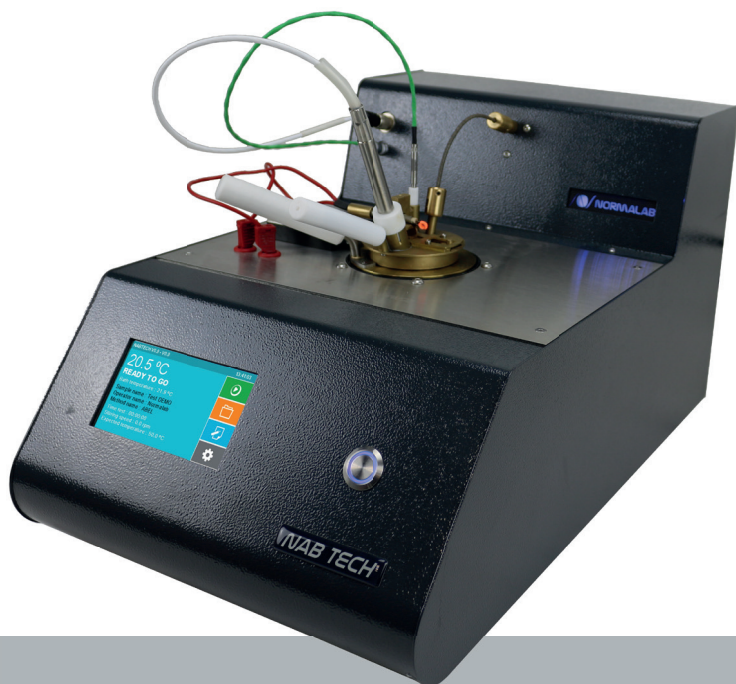
ISO 13736, IP 170 and related methods.

SCOPE

These test methods cover procedures for determination of the manual and automated closed-cup flash point of combustible liquids having flash points between $-30,0\text{ }^{\circ}\text{C}$ to $75,0\text{ }^{\circ}\text{C}$. However, the precision given for this method is only valid for flash points in the range $-8,5\text{ }^{\circ}\text{C}$ to $75,0\text{ }^{\circ}\text{C}$.

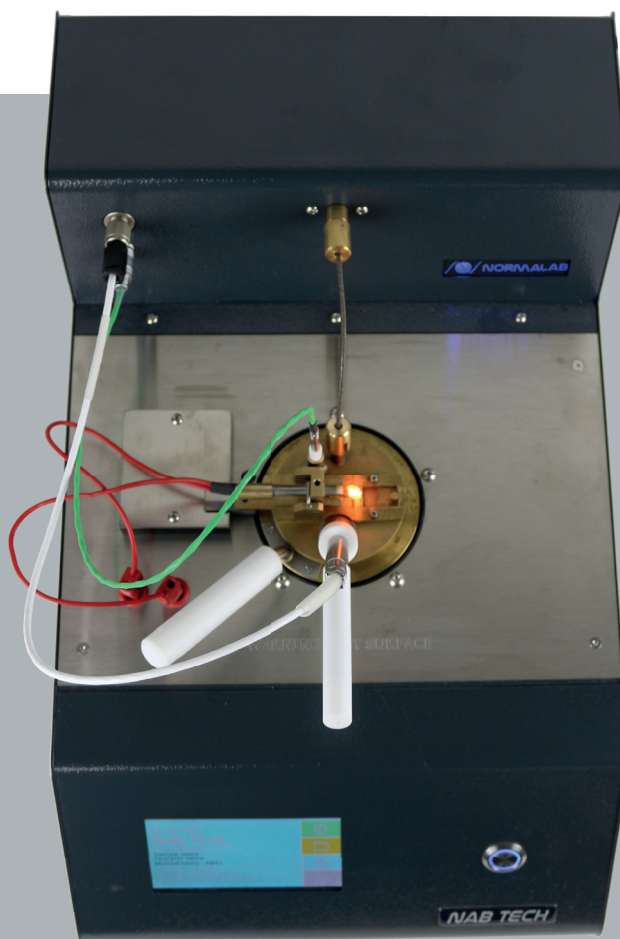
NAB Tech is a flash point tester developed by Normalab. Normalab has been designing and manufacturing petroleum testing instruments and glassware since 1963.

« HALF AUTOMATED MODEL »



SPECIFICATIONS

- Temperature range from -30°C to 110°C (cryostat is mandatory for temperatures below ambient)
- Temperature display in °C or °F
- 4.3" resistive color touchscreen
- Class B Pt 100 probe
- Barometric correction with temperature compensation
- Predefined temperature range 1°C/min
- Quick cooling system
- Ignitor presentation by push button
- Automatic detection by thermocouple (no calibration required)
- Electric ignitor, adjustable from 0 to 30 W (no gas)
- Sample cooling integrated
- Adjustable and settable stirring speed from 0 to 30 Rpm
- Specific treated cover against freezing (easy to clean)



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

CONNECTION

- 1 RS232C port
- 2 Micro USB port for update

NABTECH V0.9 - V0.9 13:41:03

20.5 °C
READY TO GO
 Bath temperature : 21.9 °C
 Sample name : Test DEMO
 Operator name : Normalab
 Method name : ABEL
 Time test : 00:00:00
 Stirring speed : 0.0 rpm
 Expected temperature : 50.0 °C

ABEL

Method name :
 ABEL

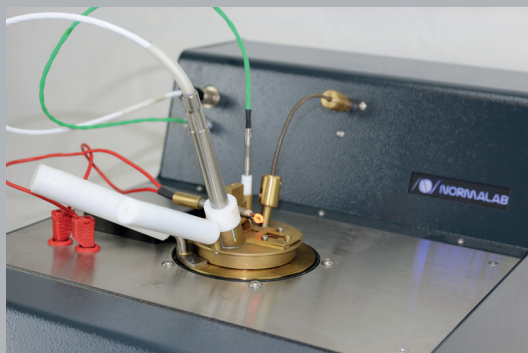
Standard name :
 IP 170

Created/Modified by :
 Normalab

Creation/Modification date :
 19/07/2019

Archives

Archive : 0/5
 Date and time of test : - 47:47:47
 Method name : ABEL
 Standard name : IP 170
 Sample name :
 Operator name :
 Time test : 00:00:00
 Barometric Pressure : 0.00 mbar
 Test status : Manual stop test
 Flash point : XXX.X °C
 Corrected flash point : XXX.X °C



Calibration

Sample probe

Heating block probe

Barometric sensor

Servomotor

Touch screen

APPLICATION

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

SOFTWARE FEATURES

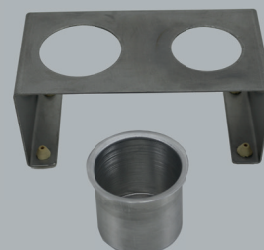
- User-friendly and intuitive software
- Predefined file
- Predefined temperature ramp (1°C/min)
- Simplified temperature calibration
- Up to 5 calibration offsets
- Software update through micro USB
- Multilingual (FR / EN)
- Data transfer or printer by RS 232
- 20 last results in memory

SAFETY FEATURES

- Access protected by 1 password
- Protection of the electric ignitor by thermal fuse
- Removable tray with drain if sample overflow or condensate at low temperature
- Dedicated alarm for each error message
- Sound alarms
- Visual indicator

OPTIONS

- Cryostat (needed below the ambient)
- RS 232 ticket printer
- NCAL, calibration kit
- Lid and cover support



ORDERING INFORMATION

42300

NAB Tech is a compact instrument providing quick and reliable results. Operation is made easy and safe with minimum operators intervention.

Scope of delivery:

The NAB Tech tester includes :

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

Site requirements:

- Power supply: 230 V (+/- 10%), 50/60 Hz - 4 A
- Dimension: (W) 280 x (D) 440 x (H) 250 mm
- Weight: 15 kg

SUMMARY

Temperature range	- 30 à + 110°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)



CONTACT : sales@normalab.com

Normalab FRANCE SAS
ZA Caux Multipôles 1 - 76190 Valliquerville
Tel. : +33 232.700.100
Fax : +33 232.704.732

DISTRIBUTED BY