NPV Tech

FLASH POINT BY SMALL SCALE CLOSED CUP

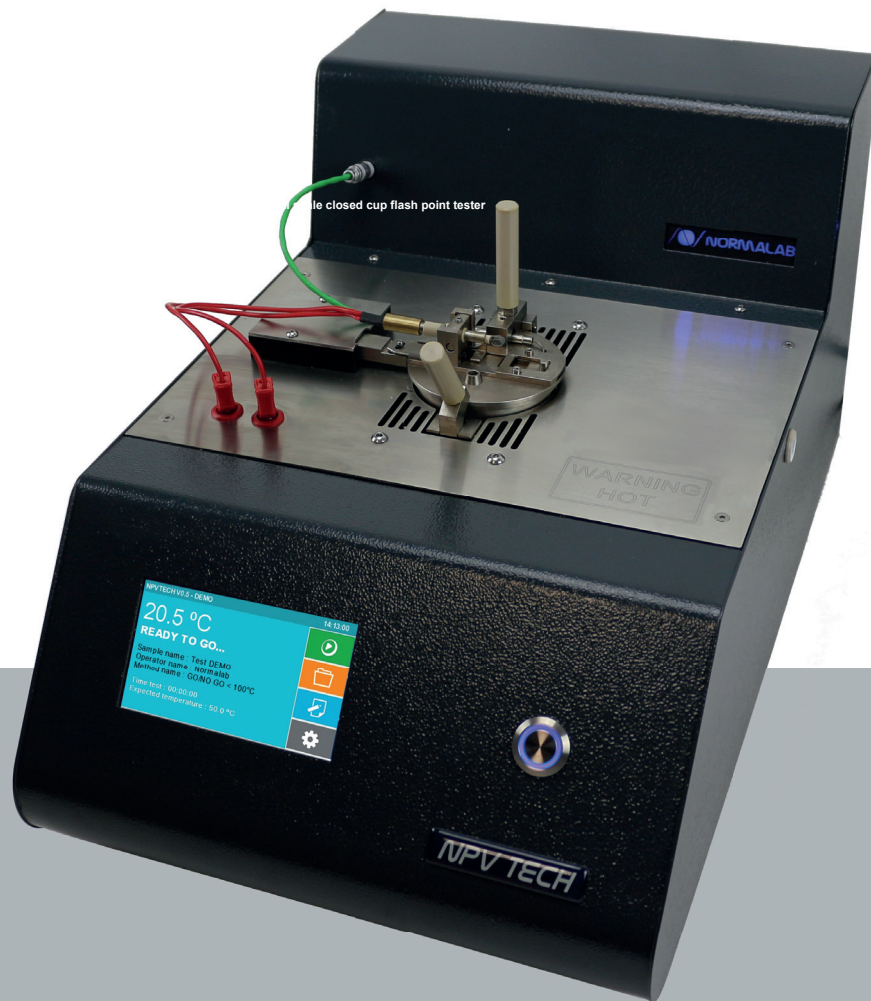small closed cup flash point tester

STANDARDS
ASTM D 3828, ISO 3679, ISO 9038, IP 303 and related methods.

SCOPE
These test methods cover procedures for flash point tests, within the range of -30 to 300°C, of cosmetic and pharmaceutical products, using a small scale closed cup tester. It allows the determination of flash point for transportation class and hazardous goods. The procedures may be used to determine, whether a product will or will not flash at a specified temperature (Go/No Go).

NORMALAB
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NPV Tech is a flash point tester developed by Normalab. Normalab has been designing and manufacturing petroleum testing instruments and glassware since 1963.
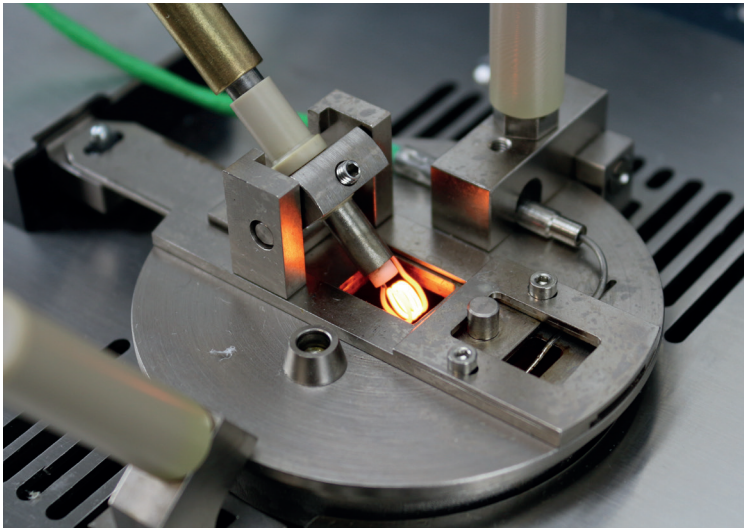
« FAST AND RELIABLE MEASUREMENTS »

SPECIFICATIONS

- Temperature range from -30°C to 300°C
- Regulation accuracy +/- 0.2°C
- Class A Pt 100 probe with certificate of verification
- Barometric correction with temperature compensation
- Small sample volume, 2 or 4 mL
- Easy sample introduction
- 2 predefined methods (Go / No Go and Ramp)
- Possibility to maintain temperature of routine tests
- Predefined temperature range 1°C / 2°C / 5°C
- Automatic presentation
- Automatic detection by thermocouple (no calibration required)
- Electric ignitor, adjustable from 0 to 30 W (no gas)
- Resistive color touchscreen 4.3"
- Coating against aggressive products
- High efficiency ventilation system (5-10 minutes between 2 tests)
- Easy Oven temperature calibration (certified probe)

CONNECTION

- 1 Micro USB port for update
- 1 RS232C port or LIMS
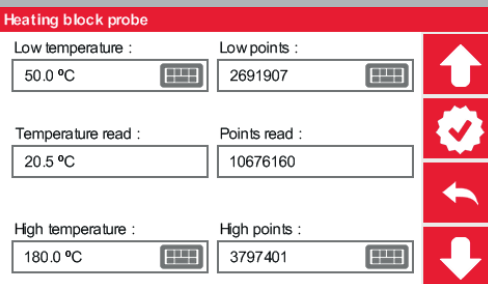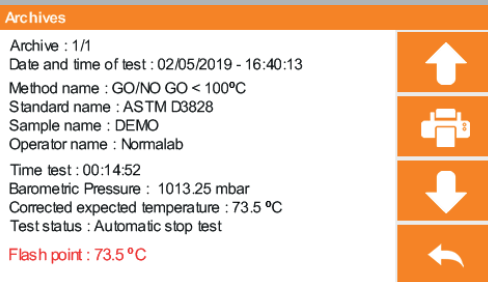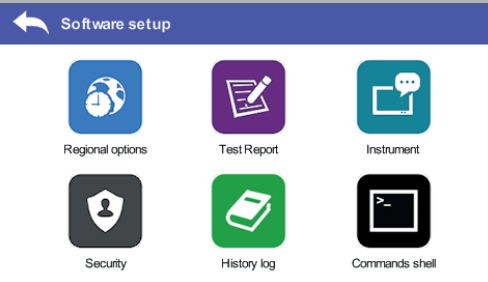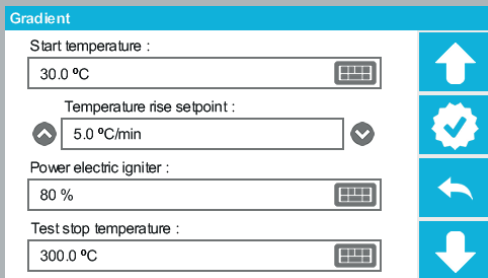
APPLICATION

- Cosmetics and perfumes
- Waste and environment
- Pharmaceutical industry
- Chemical industry
- REACH applications
- Transportation class for hazardous goods
- Paints and varnishes
- Biodiesel
- Marine
- Lubricants
- Aviation

SOFTWARE FEATURES

- User-friendly and intuitive software
- Go / No Go file
- Predefined ramps (5°C/min, 2°C/min and 1°C/min)
- Simplified temperature calibration
- Up to 5 calibration offsets
- Software update through USB
- Multilingual (FR / EN) other latin language possible (option)
- Data transfer (.txt) or printer by RS 232
- 20 last results in memory

SAFETY FEATURES

- Overheating protection (350°C)
- Protection of the electric ignitor by thermal fuse
- Removable tray with drain if sample overflow or condensate at
- low temperature
- Access protected by 1 password
- Dedicated alarm for each error message
- Sound alarms
- Visual indicator

OPTIONS

- Cryostat (needed below the ambient)
- Specific treated lid (-30°C - 110°C)
- Protective aluminium sheets and set-up tool kit
- RS 232 ticket printer
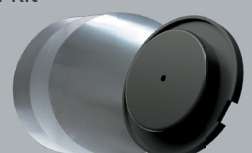
ORDERING INFORMATION

Automated Flash Point by Small Scale Closed Cup

42000

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

Scope of delivery:

The NPV Tech tester includes :

- Standard lid
- Thermocouple
- Electric ignitor
- Stylus

Site requirements:

- Power supply: 230 V, 50/60 Hz - 4 A
- Dimension: (W) 280 x (D) 440 x (H) 250 mm
- Weight: 11 kg

SUMMARY

Temperature range	- 30 à + 300 °C	**Detection**	Thermocouple
Temperature accuracy	0,2 °C	**Ignition**	Electrical
Temperature unit	°C ou °F	**Cooling system**	Mecanical fan
Temperature measurement	Probe Pt 100 (Class A)	**Data storage**	Micro SD (20 results)

NORMALAB
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