NPM TECH 2

Automated Flash Point Tester Pensky-Martens

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

STANDARDS

Conforms to ASTM D 93, IP 34, ISO 2719 and related methods

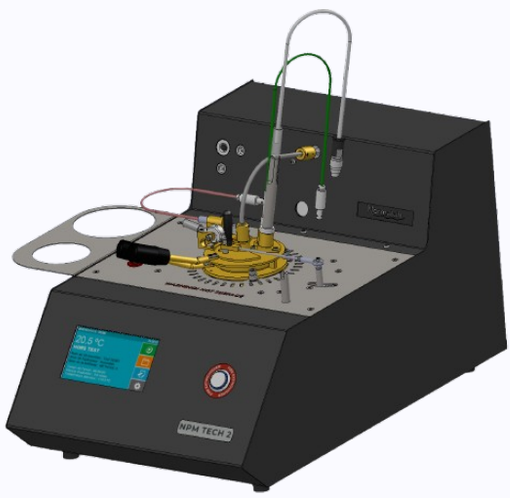
SCOPE

These test methods cover the determination of the flash point of petroleum products in the temperature range from 40 °C to 370 °C by a manual Pensky-Martens closed-cup apparatus or an automated Pensky-Martens closed-cup apparatus, and the determination of the flash point of biodiesel in the temperature range of 60 °C to 190 °C by an automated Pensky-Martens closed cup apparatus.

Automated, fast and reliable!

TECHNICAL FEATURES

- Temperature range from **ambiant to 400°C**
- Temperature display in °C or °F
- **Compact device**
- 4.3’’**resistive** color **touchscreen**
- **5 predefined methods** (A/A+/B/C/Research)
- **2 modes:** research and safety
- Fast cooling system by fan
- **Automatic presentation**
- **Double fire detection**: ionization and optical
- Automatic **detection by thermocouple** (no calibration required)
- Adjustable power **electric ignitor** (no gas)
- Electronic barometric correction with temperature compensation
- Adjustable and settable stirring speed from **0 to 250rpm**
- Preheating sample with or without stirring
- Removable holder for cover, lid and nitrogen bottle



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CONNECTIVITY

- 1 RS232C (LIMS or printer) port
- 2 mini USB ports only for update
- Nitrogen (N2) Quick connector for fire extinguishing

FIRE DETECTION

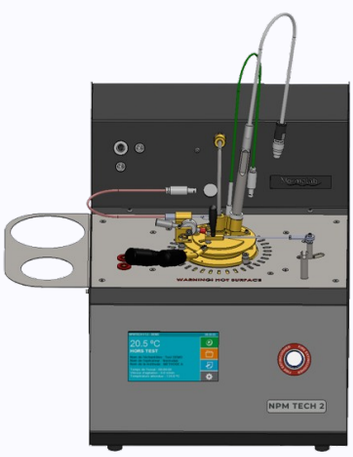
- **Automatic fire extinguishing** (N2 nitrogen bottle in option)
- **3 release modes:**
  - Optical
  - Ionization
  - Manual (by push-button)
- An **automatic N2 fire extinguisher** is available (option):
  - Allow a fire to be switched off by smothering
  - Acts on fire by reducing the oxygen content
  - Very fast diffusion during emission
  - Density comparable to air (78% nitrogen)
  - Maintains extinction concentration over time

APPLICATIONS

- Refineries
- Commercial labs
- Bio diesel plants
- Safety, environmental labs
- Stations, fuel depots, terminals
- Power plants
- Paints, lacquers, perfumes
- Cars, engines manufacturer

SAFETY

- Protection of the electric ignitor by thermal fuse (automatic reset)
- Dedicated alarm for each error message
- Audible alarm
- Visual indicator
- 3 release modes in case of fire



SOFTWARE

- User-friendly and intuitive
- Predefined methods
- Predefined rates (method A/A+/B/C)
- Simplified temperature calibration
- Up to 5 calibration offsets
- Software update through mini USB
- Multilingual (FR/EN)
- Data transfer or print (RS232C)
- 20 lasts results in memory
- Access protected by password

DISPLAY

Access from basic to advanced parameters made easy through the intuitive software and large screen

- Data export through LIMS and printer
- User and password settings
- Product files configuration

OPTIONS

- N2 nitrogen bottle for automatic fire extinguishing
- Metal probe

N2 nitrogen bottle

Metal probe

SCOPE OF DELIVERY

42600 **The NPM TECH 2** is delivered ready to use with

- 1 lid with ignitor and thermocouple
- 1 cup
- 1 power cable
- 1 stirring cable
- 1 stylus
- 1 removable holder for cup and nitrogen bottle
- 1 conformity leaflet
- 1 USB key (with instruction manual)

Site requirements

- **Dimensions** (without holder) (mm): (W) 272 x (D) 450 x (H) 247
- **Dimensions** (with holder) (mm): (W) 362 x (D) 450 x (H) 247
- **Power supply**: 230 V, 50/60 Hz, 5 A
- **Weight**: 11,5 kg
- **Nitrogen**: max 10 Bars

SUMMARY

Temperature range	Ambiant to 400°C	**Detection**	Thermocouple
Temperature resolution	0,1°C	**Extinguisher button**	Integrated & illuminated
Temperature unit	°C or °F	**Fire detection**	Ionization & optical
Temperature measurement	Probe PT 100 (class B)	**Cooling system**	Mechanical fan

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