OilLab 6500 Abel

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CE



EN 924, EN 13736
IP 170, IP 491, P 492
ISO 1516, ISO 3679, ISO 13736

Subject

Flash point on petroleum products having a flash point between -18°C and 71°C (kerosene and solvents). Suitable for flash point detection on different substances and waste materials, solvents…

OilLab 6500
Automatic Abel Flash Point Stand Alone

- Two calibrated brass crucibles with sample level mark.
- Ignition system: electric lighter.
- Control system: on microprocessor based.
- Temperature measurement: Platinum resistance, PT100, Class A with SS sheath.
- Automatic sample stirring as per methods 30 +/- 5 rpm.
- Built-in barometric sensor with automatic. barometric correction of results executed by the software.
- Automatic lifting and positioning arm avoid operator mistakes in positioning and shuttering.
- A single multi-detector combines the ionization detector and thermal detector.
- Heating: electrical heater.
- Cooling: external cooling joints (mandatory for granting temperature below ambient).

Temperature Range

- Up to +110°C (lower temperature depending on the source connected to the instrument).

Safety Features

- Automatic diagnostic in case of breakage of the sample temperature probe and thermal sensors, automatic fire detection and extinguisher system, overheating protection with auto shut off during the test, gas valve for closing the gas supply.

Built-in Touch Screen Panel PC

- For the managing of the analyser by means of the Lab-Link software.
- 10.1" Fanless Panel Pc Intel ® quad-core processor.
- PCAP touch screen: finger, gloves and TFT stylus compatible.
- Resolution 1024 × 800 and 16.7 M colours, contrast 900:1.
- 2 × USB for connection to an external printer.
- 1 × Ethernet port for LAN or Lims network.
- Storage capacity for more than 65'000 analysis.

Lab-Link Operating Software

- Automatic execution of the analysis as per methods selected.
- Automatic handling of samples with unknown flash point.
- Display in real time of all the analysis parameters and status.
- Field for introduction of operator and product name.
- Expected flash point temperature programmable.
- Audible alarm and displayed message for end analysis, errors/malfunctions.
- Configuration menu with up to 20 preset sample and expected flash point.
- Automatic barometric correction of result.

Electrical Supply

- Cord cable with Schuko plug.
- 220 V ± 15% / 50 to 60 Hz.
- 115 V ± 15% / 60 Hz.

Ambient Temperature

- Max 35°C
- H.R. 80%

Dimensions & Weight

- Length 60 cm, width 49 cm, height 32 cm.
- 30 kg.

Spare Parts

- 3761: Electrical ignitor long life.
- 17314: PT100 product.
- 3646: Thermal ionisation PT100 sensor.
- 5666: Calibrated brass crucible.
- 17353: Fuses 6.3A, box of 10 pcs.

Tools Required for Routine Calibration

Not mandatory for installation

- 3013: Calibration decade box - PT100 Simulator.
- 17587: Kit of connectors and cables, for OilLab 6000 series.

Accessories

- LT/CB-40830/M-PLUS: Laboratory cryostat bath for temperatures up to -30°C.
  - Pump for external circulating option.
  - Solid steel structure coated in epoxy anti-acid paint with upper side made in stainless-steel.
  - Internal chamber in seamless stainless steel with rounded corners for efficient circulation.
  - Easy cleaning thanks to atmospheric drain on the bottom of the chamber.
  - Control head equipped with digital display showing set and actual temperature, display resolution 0,1°C.
  - Temperature range from -30°C to +99,9°C accuracy to ±0,5°C to +37°C.
  - Manual safety thermostat against overtemperature.
  - Circulating pump: prevalence 4m / 2 l - min ~ prevelance 1 m /12 l - min.
  - Weight: 20 kg (empty).
  - Dimensions: W 335 × D 470 × H 630 mm.
  - Capacity 8 litres.
  - Power supply: 220 Vac or 115Vac 50/60.Hz .
  - Max. consumption 1500 Watt.
  - Cord cable with schuko plug and User manual included.
  - DIN 12880 class 2 construction type.

Reference Sample

- 7271: Certified reference material Abel closed cup; product nature: Jet A1; pack size: 250 ml; certified value: + 40.0 °C approx.