LINETRONIC TECHNOLOGIES

OilLab 690

Tag

ASTM D56 - D3278 - D3934 - D3941
IP 304 - IP 491 - IP 492
ISO 1516 - ISO 1523 - ISO 3679

Subject

Flash point on petroleum products having a flash point between ambient temperature and +93°C. Suitable for flash point detection on different substances and (NO) waste materials, solvents…

Measuring Tag Principle

The sample is warmed up according to the methods. When the sample reaches the selected test temperature, the shutter is opened and the ignition system introduces itself automatically. If the flash point is reached, the detection is done by an ionisation detector. If not, the shutter closes again and the sample continues to warm up until the next test temperature.

Measuring Tag Devices

- Measurement of the Flash Point detected by an ionisation detector
- Testing unit equipped with two ignition systems
- Electrical system or flame exposure device

Measuring Temperature Probe

- Platinum resistance PT100 class A

Measuring Parameters

- Temperatures: in °C
- Measuring range: -50°C … +100°C
- Resolution: 0.06 °C
- Accuracy: ± 0.1 °C
- Repeatability / Reproducibility: as per standards methods or better

Software Features

- All analytical parameters recorded
- Customizable analysis parameters and methods
- Customizable results report
- Printable graphs and results

The software includes:

Analysis Menu

- Standard method as per ASTM / IP / ISO / EN / DIN… norms of reference
- Unknow sample
- Audible alarm and displayed messages at the end of the analysis and in case of errors and/or malfunction

Diagnostic Menu

- Direct access to all analog, digital, inputs and outputs
- Selectable value displaying: °C / Volt

Calibration Menu

- Automatic calibration of each temperature probe
- Last calibration date referred to each single probe displayed and relative data printable
- Display of calibration diagram
- Insertion of offset values
- Standard and advanced calibration modes

Data Utilities

- Fields for introduction of operator and product name
- Archive viewer for files recall
- All analysis stored in Excel® compatible format
- LIMS compatible

Integrated panel PC

- TFT/LCD 8”
- Resolution 1024 × 768, 16.2 M colours
- 2 USB ports for connection to an external printer and/or external PC
- Storage capacity for more than 60’000 analysis

Test Cup

- The cup is made of chromium plated brass provided with high temperature resistant handle
- Sample level mark

Heating

- Electrical heater
- Equipped with over temperature cut-out

Cooling System

- Liquid refrigerant controlled by internal solenoid valve

Shutter

- Automatic mechanism opening the shutter conform to the methods

Accessories

External Cryostat:

- LT-900/35/3, single stage, up to -40°C
- LT-900/80/3, double stage, up to -80°C

Electrical Supply

- 220V ± 15% / 50 to 60 Hz
- 115V ± 15% / 60 Hz

Cord Cable:

- 3 conductors flexible cable with schuko plug

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Ambient Temperature
- Max 35°C
- H.R. 80%

Dimensions and weight
- width 48 cm, depth 37 cm, height 61 cm
- 32 Kg

Spare Parts
LAB-690/05-13: heater
LAB-690/05-16: PT100 bath
LAB-690/06-11: cooling valve
LAB-690/06-12: insulated tube for connection to external cryostat
LAB-690/06-21: gas valve
LAB-690/07-01: electrical ignitor
LAB-690/07-03: micro switch
LAB-690/07-04: handle
LAB-690/07-05: gas ignitor
LAB-690/08-12: PT100 product
LAB-690/08-13: detection / ionisation cable
LAB-690/09-04: gas reducer
LAB-690/09-05: calibrated brass crucible
LAB-690/09-06: calibrated brass crucible complete with movement
LAB-690/09-07: cover cup movement only
LAB-690/10-04: PCB fuses, Box of 10
LAB-690/10-05: main electronic board
LAB-690/11-01: silicon tubing, 1 meter
LAB-690/12-01: voltage transformer for ignitor
LAB-690/20-01: support PT100 Teflon

Calibration Tools
OilLab 80: calibration decade box – PT100 simulator
OilLab 81: set of connectors and cables for cold range

CE

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