OilLab 720
Automatic Vapour Pressure Testing of Fuel

LINETRONIC TECHNOLOGIES
Linetronic Technologies SA
Via Onorio Longhi 2
CH-6864 Arzo,Mendrisio, Switzerland
tel. +41 91 6300703, fax +41 91 6300719
www.lin-tech.ch – info@lin-tech.ch


3764



ASTM D5188
ASTM D5191
ASTM D6378
ASTM D8009
EN 13016-1, -2, -3
IP 394
IP 409
SHT 0769

Correlated to:
ASTM D323
ASTM D1267
ASTM D2533
ASTM D4953
ASTM D5482

ASTM D5188
Vapor-Liquid Ratio Temperature Determination of Fuels (Evacuated Chamber and Piston Based Method)

ASTM D5191
Standard Test Method for Vapor Pressure of Petroleum Products and Liquid Fuels (Mini Method)

ASTM D6378
Standard Test Method for Determination of Vapor Pressure (VPX) of Petroleum Products, Hydrocarbons, and Hydrocarbon-Oxygenate Mixtures (Triple Expansion Method)

ASTM D8009
Standard Practice for Manual Piston Cylinder Sampling for Volatile Crude Oils, Condensates, and Liquid Petroleum Products

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- Bench top instrument compact and solid structure painted with anti-epoxy products.
- Refrigerator system able to grant temperatures from 0°C to +100°C (32 – 212° F) with dedicated electronic.
- Integrated pressure sensor with range 0 to 9.5 bar (pressure unit switchable to hPa, kPa, psi, mmHg, mbar), resolution 0.02 kPa.
- Movable piston technique with evacuated test chamber able to grant from 0.02:1 to 20:1 V/L ratio.
- Volume needed for test: 1 ml.
- Safety systems:
  · software cooling/heating malfunctioning;
  · system overpressure;
  · programmable protection against leakage;
  · stand-by module for energy saving.
- Automatic sample inlet/outlet (separate lines).
- Linetronic management software running on 10.1" high-brightness 800cd/m² TFT with resolution 1280 × 700.
  · Pre-setting for method ASTM, EN, IP and ISO, or customizable analysis parameters.
  · Multi-language software.
  · Temperature shown in °C or °F.
  · Settable cell temperature controlled by PT100 A Class with 0,05°C precision, automatic for method selected or custom temperature.
  · Calibration menu, result browser, dual level password protection.
  · More than >100'000 analysis storage capacity, export file in .xls format.
  · 2 × USB ports for connecting: mouse, keyboard and software updates.
  · 1 × RJ45 Ethernet / Lims connection.
  · Integrated beeper for end-test notification / errors.
  · Real time graph and test progression.

Weight
- 22 kg.

Dimensions
- Width 28 cm.
- Depth 52 cm.
- Height 32 cm.

Power supply
- 100-240 Vac, 50-60 Hz (automatic switching).

Spare Parts
- Maintenance-kit720: Kit for routine maintenance complete of sealing, o-rings, piston and tubing.
- 16899: Microvalve for dosing sample.
- 3863: Piston movement motor.
- 3007: HT Peltier.
- 17198: Heating element 175 W.
- 17543: Pressure sensor.
- 3150: PT100 temperature sensor.
- 16952: Brass cell body.

Accessories
- 2225+: 250 ml bottle with screw cap and joint, with connector for tube, pack of 4 pcs.

Tools Required for Routine Calibration
- 3013: Calibration decade box - PT100 Simulator.
- 3102: Kit of connectors and cables.
- 3764: Pressure calibration kit.
  · Hand pump with connection tube for pressure, 0,95 …+ 35,0 bar.
  · Adapters.
  · Digital pressure gauge, –1…+30 Bar rel. ±0.1% FS.