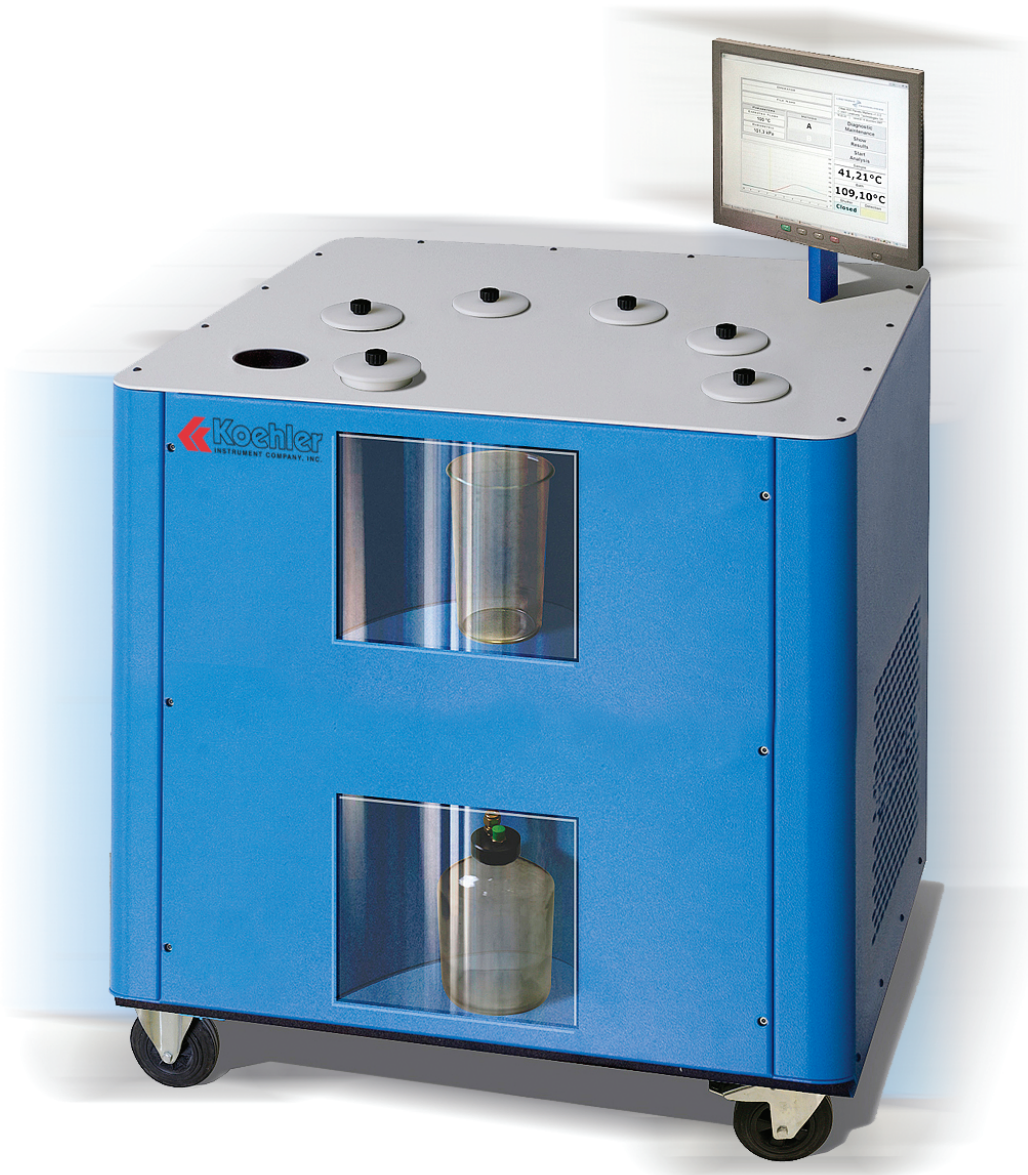


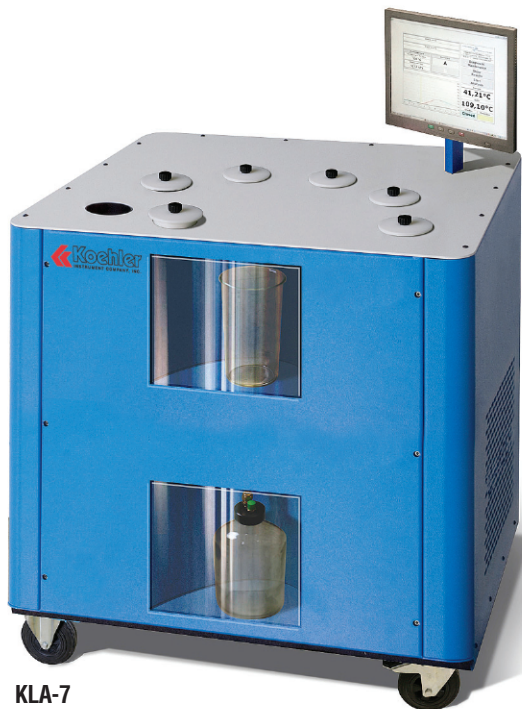
FILTERABILITY OF DIESEL FUELS BY LOW-TEMPERATURE FLOW TEST



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BOHEMIA, NEW YORK • HOUSTON, TEXAS

FILTERABILITY OF DIESEL FUELS BY LOW-TEMPERATURE FLOW TEST



KLA-7

Safety Features

- Pressure controller for 1st stage motor compressor
- Thermo-switch for cooling / heating jacket
- Motor compressors with internal overload devices

Specifications

Conforms to the Specifications of:
 ASTM D4539
 Temperature Range: +80°C to -80°C
 Resolution: 0.06°C
 Accuracy: ±0.1°C
 Repeatability / Reproducibility: Meets or exceeds ASTM specifications
 CE Marked
 Electrical Requirements:
 115V ±15%, 60Hz
 220V ±15%, 50/60Hz

Included Accessories

Filter Assembly (6)	300mL Glass Test Vessel (7)
Receiver Vessel	Draining Container for Sample Recover
PT100 Temperature Probe	O' Rings, Stoppers, Tubing and Clamps
Operating Software	User Manual

Dimensions wxdxh,in.(cm)
 38-1/2 x 23-1/2 x 51-1/4 (98x60x130)
 Net Weight: 176.5 lbs (80kg)

Test Method

Determines the filterability of Diesel fuels and Biodiesel blend fuels in some automotive equipment at low temperatures. The Low Temperature Flow Test results are indicative of the low temperature flow performance of the test fuel in some diesel vehicles. The test method is especially useful for the evaluation of fuels containing flow improver additives in a range of +10°C to -30°C.

Automatic Low Temperature Filterability Test Analyzer (LTFT)

Up to (6) 300 ml test vessels are cooled at a specified rate of 1°C/h, and at every °C of cooling, a vacuum of 20 kPa is applied to a filter assembly immersed in the first sample. If the sample recovered in a graduated receiver vessel reaches the 180 ml in 60 sec., the analysis continues to the further 1°C test temperature (passed). When the sample doesn't reach the 180 ml within the 60 sec., the test is failed. The temperature of the last passing result test has to be recorded as minimum LTFT pass temperature.

The instrument is a six place floor model, equipped with a built in cooling system with a single stage CFC free motor compressor for temperatures as low as -45°C. Integrated Vacuum System consisting of a 350 kPa micropump, vacuum stabilizer and electronic control for vacuum regulation of 20 kPa. Fully automatic, controlled by an integrated panel pc with touch screen and a large display. All the parameters and the current status of the analysis are shown in real time.

Integrated Managing Panel PC

- TFT 12" touch screen
- AMD Geode800
- 512Mb RAM
- 2x USB ports
- 1x LAN 10/100Mbps
- 262K Color
- 1024 x 768 Resolution
- Storage Capacity of up to 60,000 analyses

Sophisticated Software Package

The LTFT analyzer is managed by an easy to use Windows® based software package. The two USB ports allow for connection to an external printer and an additional external PC. The Software features customizable analysis parameters, test methods and results reports. All analytical parameters are graphed and displayed in real time as well as recorded in Microsoft® Excel file format. kPa.

Ordering Information

Catalog No.	
KLA-7	Automatic Low Temperature Filterability Test Analyzer (LTFT), 115V 60Hz
KLA-7 (220)	Automatic Low Temperature Filterability Test Analyzer (LTFT), 220V 50/60Hz

Accessories

KLA-PT100-CAL	Calibration Box and Cables
KLA-DB-KIT	Kit of Connectors and Cables for Cold range



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