Oxidation Stability Tester

OXIDATION STABILITY TESTER

Automatic Lubricating Oils Oxidation Stability Tester LOST-D10

Labtron LOST-D10 is devised with Software-controlled test procedure which can check pressure, record test data and calculate oxidation time for measured sample automatically. Test curves and test data will be archived in database. It is made as per ASTM D2272 Standard

Features

>> Fully Automatic

>> High test precision

>> Short heating-up time

>> Software-controlled test procedure

>> Data and test results will be archived in database

Application

It is suitable to determine oxidation stability of new or in service turbine oil, which has the same components (base oil and additive). It is also a rapid method for determining the oxygen stability of new mineral insulating oils containing 2, 6-Di-tert-butyl-p-cresol.

Specification

Model No.	LOST-D10
Samples	2
Oil bath cubage	30 L
Angle between bomb and water surface	30 $^{\circ}$
Speed of rotary assembly	100 ± 5 RPM
Pressure sensor	0 ~ 1.6 Mpa; Accuracy: ±2%
Oil bath Temperature controlling range	RT ~ 200 $^{\circ}$C (adjustable)
Temperature controlling accuracy	± 0.1 $^{\circ}$C
Size	550 x 800 x 1000 mm
Power of heater	2500 W
Power supply	220 V ± 10 %
Weight	45 kg
Dimension	860 x 710 x 104 mm

Transformer Oil Oxidation Stability Tester LOST-D11

Labtron LOST-D11 features metal bath for uniform heating, keeping the temperature constant. Equipped with pressure reducer ensuring constant output pressure of the gas cylinder when the pressure in the gas cylinder decreases. Furnished with 6 flow meters to adjust and indicate the flow rate in 6 oxidation tubes.

Features

» Digital temperature controller for automatic mode

» Desktop type and compact

» Pressure reducer (ensuring constant output pressure)

» Digital timer (presetting and recording test time)

Application

It can be widely used in petroleum, chemical industries, and research and development laboratories.

Specification

Model No.	LOST-D11
Sample	6
Temperature controlling mode	Automatic digital temperature controller
Temperature controlling range	Room temperature ~ 160 °C
Temperature controlling accuracy	± 0.2 °C
Power supply	220 V, 50 Hz
Power consumption	≤ 1100 W

Distillate Fuel Oil Oxidation Stability Tester LOST-D12

Labtron LOST-D12 is a standard floor type model designed with digital temperature controller for accurate temperature controlling. Made of stainless steel and its shelf is treated by spray plastic for a better corrosion resistance ability. Equipped with flow meter for adjusting oxygen flow rate.

Features

≫ Floor standard type

≫ Main unit comprises of water bath, flow controller and cooling system

≫ Digital temperature controller (for accurate temperature controlling)

≫ Made of stainless steel for better corrosion resistance

≫ Flow meter for adjusting the oxygen flow rate

Application

It can be widely used in petroleum, chemical industries, and research and development laboratories. It is suitable for determining oxidation stability of distillate fuels by accelerating methods.

Specification

Model No.	LOST-D12
Sample	8
Temperature	100 °C
Temperature accuracy	0.1 °C
Flow meter	3 ± 0.3 L / H oxygen
Power supply	220 V ± 10 %, 60 Hz