Technical Specifications

ASTM D525 Automatic Gasoline Oxidation Stability Analyzer

Introduction:

The ability of gasoline to maintain its long-term stability during its normal storage and use is referred to as the oxidative stability of gasoline. The Oxidation Stability Analyzer is designed and made as per national standard of People's Republic of China GB/T8018-87 Gasoline - Determination of oxidation stability - Induction period method. It is suitable to determine the oxidation stability of gasoline. It can also be used to do determination as per ASTM D525 Standard Test Method for Oxidation Stability of Gasoline (Induction Period Method).

Features:

1. Desktop structure, integrated design,the test part and control part united as one,high integration.
2. The Oxidation Stability Analyzer adopts a built-in industrial computer, works in full-automatic mode, has a 10.1-inch color touch screen, windows 7 operating system, and the interface is simple and clear; it is beautiful in appearance, and easy to operate.
3. The traditional water bath is changed into a metal bath, which has no pollution, no need to replenish water, and is more convenient to operate and use.
4. The double hole design can test two samples at the same time, which is more convenient for users to do parallel sample tests.
5. The perfect heat preservation and insulation system can save energy and avoid the danger of scald to operators.
6. The oxygen bomb and test system are designed in an integrated way, and the bomb body is equipped with an automatic pressure relief protection device, which is safer to use.
7. The color display screen displays two oxygen bomb test curves, the corresponding relationship data between time and pressure, the comparison curve of two oxygen bomb synthesis, the real-time data of oxygen bomb pressure and temperature, etc. the time axis of the curve will automatically change with the time length of the actual curve, up to 3000 minutes, with a wide range of adaptability and intuitive test conditions.
8. The software design has a high degree of automation, automatically completes a series of operations, and has a friendly man-machine dialogue interface, which guides users to correctly execute the operation process and avoid errors.
9. The design of the oxygen bomb positioning hole can facilitate the operator to disassemble the oxygen bomb cover in the hole, and also facilitate the placement of the oxygen bomb before and after the test.

Parameters:

1	ASTM D525	Automatic Gasoline Oxidation Stability Analyzer
2	Power supply	AC (220 ± 10%) V 50Hz
3	Pressure measurement range	(0 ~ 1600) KPA, accuracy: ± 2 ‰
4	Metal bath temperature control point	100.0 °C ± 0.5 °C
5	Heating pipe power	<1000W, the actual heating power is automatically controlled by the computer
6	Environmental temperature	≤40°C, relative humidity: ≤85%

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