

Cat. No. 770-A GASOLINE OXIDATION STABILITY TESTER (INDUCTION TIME METHOD)



Model GOS-2BT

[Overview]

A sample of 50mL is put into a bomb, into which oxygen is pressurized up to 689 to 703 kPa, and the bomb is placed in a thermostatic bath at 98 to 102°C. Pressure variation inside the bomb is observed, elapsed time up to the pressure dropping point is searched, bath liquid temperature is compensated, and the induction time at 100.0°C is thus calculated.

The pressure inside the bomb is detected by a semi-conductor pressure sensor, which is converted to power voltage signal and recorded by a hybrid recorder.

[Testing Standard]

JIS K2287, ASTM D525, IP 40

[Features]

- Silicon oil is usually used as bath liquid. When using water as bath liquid, however, an automatic water level adjusting mechanism (refluxing type) is needed. Please consult in such a case.
- A hand tightening type bomb gives sufficient tightness.
- Elapsed time of test is shown digitally.
- Using a digital timer equipped with this tester, you can turn on or off your tester at any time arbitrarily.
- A hybrid type recorder is equipped with this tester. So, you can read pressure at any time on the fluorescent display, and know all the pressure variation.

[Models]

GOS-2BT : with 2 bomb holders

GOS-4BT : with 4 bomb holders

[Standard Specifications]

1. Temp. controller : Digital PID control
2. Temp. sensor : Platinum sensor (PT100Ω)
3. Heater : Sheathed heater at the bottom
4. Test temperature : 98.0 to 102.0°C
5. Temp. accuracy : ±0.1 °C
6. Bath stirrer : Induction motor with fan
7. Bomb holders : 2 bombs or 4 bombs
8. Display of elapsed time : Digital (9999 min.)
9. Timer : Digital display (for power on or off)
10. Safety devices : Leakage breaker, overheat protector, and bath liquid temperature limiting device
11. Power supply :
GOS-2BT (AC100V, 2.0kW, 50/60Hz or AC220V)
GOS-4BT (AC100V, 3.0kW, 50/60Hz or AC220V)

[Standard Accessories]

Description	2BT	4BT
Bomb	2 pcs.	4 pcs.
Sample container	2 sets	4 sets
Connecting tube	1 pce.	1 pce.
Gasket	10 pcs.	20 pcs.
Metallic lid	2 pcs.	4 pcs.
Pressurization tube	1 pce.	1 pce.
Chart paper	1 box	2 boxes
Thermometer (GOS-6)	1 pce.	1 pce.

* No power plug is attached.

● The above specifications are subject to change without notice due to technical improvement.