

Automatic Carbon Residue Tester (Conradson Method)

Model ACR-2B

[Overview]

This is a highly reliable tester, where the Conradson type test prescribed in the JIS K2270 test standard (carbon residue rest for petroleum products) has been automated.

Gas heating method prescribed in the said test standard is directly automated, so this test standard will be faithfully reproduced by this tester.

Using one dial each, you can set the condition for preheating time and combustion status. Each process of preheating, combustion and strong heating is indicated by pilot lamps for easily understanding the status of the progress. All such a process is controlled by micro-computer and you can enjoy the very stable operation of this ACR-2B together with its long life.

[Features]

◆ **Stable operation:**

All the operation processes are stably and securely performed by micro-computer, and the life of the tester has become relatively longer compared with the previous model as mechanically moving parts were removed.

◆ **Easy ignition to pilot gas:**

The built-in continuous electric discharge ignition unit allows you to easily ignite pilot gas at the time of starting your test.

◆ **Alarm for preheating/combustion time in excess:**

In case preheating time or combustion time has deviated from the specified time, its alarm will be indicated after the test has ended. It will give you a hint to judge the test time acceptability.

◆ **Easy maintenance:**

Thanks to the gas heating method of this model, stain by soot is very little compared with the electric heating method, saving a trouble of cleaning.



[Specifications]

Gas for heating:	LPG or city gas (to be specified on order)	Total control:	Automatic control by micro-computer
Progress indication:	By pilot lamps for preheating, combustion, strong heating and standing to cool	Gas ignition:	Ignition by electric discharge to pilot flame gas
Preheating time:	To be set by dial according to the specification of test method	Power source:	100V AC, 50/60Hz, 3A (To be supplied with 220/100V down transformer)
Combustion control:	Automatic control by detecting flame and its ion current or by dial to adjust the size of flame	Dimensions & weight:	250(W) x 300(D) x 450(H) mm, Net about 5kg
Selection of oil:	Selection is possible for normal oil (from gas oil to heavy oil) or lubricating oil (with narrow range of thermal cracking temperature)		



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