Characteristics of Automatic Distillation Tester, Model ADM-2E

No.	Item	Characteristics
1	Condensation tube water cooling method	Water bath is used as the method to cool the condensation tube as per the JIS specification, so the temperature of the condensation tube is kept constant uniformly at the temperature to be set.
2	Rapid cooling of heater	After finishing the distillation test, cooling down of a heater can be rapidly done automatically or manually.
3	Distillation time display for Initial-5% & 95%-EP	Distillation time for the initial point to 5% and for 95% to EP is displayed.
4	Easy time adjustment for Initial-5%	Time for the initial distillation point and for 5% can be easily adjusted.
5	Selection from a variety of test conditions	48 programs are built in as the test conditions for a user's selection. During the test, operation can be changed on the monitor's information.
6	Easy calibration of thermometer	Temperature calibration for JIS A and B can be easily done using Ice for 0ºC and for San using Benzyl Alcohol. Input of compensation value for different kinds of oils is not needed.
7	Distillation curve to be printed during the test	All the displayed distillation curve and test conditions, etc. can be printed by the built-in graphic printer.
8	External distillation curve plotter is available.	External distillation curve plotter (ADM-GP) is available in option (to make A4 size detailed plotting).
9	Distillation of a very little amount and rapid distillation	By pressing the V.CHK key (for 100% conversion), distillation of about 50mL or more (even not 100mL amount) of sample is possible with the same equivalent result as that of normal distillation in a half time.
10	Automatic measurement of BTX dry point	Measurement is possible even without using a special sensor except the temperature sensor for distillation temperature measurement. The result corresponds well to that of visual detection as per the JIS method.
11	Automatic barometer is built in.	Distillation temperature is automatically pressure-compensated by the built-in barometric sensor.
12	Cylinder for 10% residue sample	A cylinder that can sample net 200 cut mL is used, so accurate amount of residue sample can be taken. 90% cut is easy.
13	Automatic setting of heating power for 5% remaining point	Heating power after the 5% remaining point can be set by selection, by which adequate heating can be automatically done even for such a sample as you cannot estimate the necessary heating power.
14	Safety measures and automatic fire extinction	a) Automatic fire extinction by CO2 gas is possible by breaking of ignition fuse. b) The combustible gas in the total receiver room including a cylinder can be replaced by N2 gas. c) There is a receiving tray of leaked oil under the heater, oil leak to other area from the heater room can be protected. d) Self-check function is always working with about 30 kinds of various error messages, which will be shown on the display with an alarm; e.g. for an omission to set a receiver, insufficient cooling of the heater room, overcutting of 300ºC and 400ºC, etc. e) Automatic fire extinction works just by one emergency stop button.
15	Seismic sensor is equipped with.	Distillation will be automatically stopped by the earthquake intensity of 5 or more, even at the unmanned operation.