



AWD-7345 Micro Distillation Tester ASTM D7345

AWD-7345 is used for rapid and accurate detection of distillation range of oil products. It is applicable to oil products with distillation temperature ranging from 20 °C to 400 °C and conforms to ASTM D7345 standard. Meanwhile, the measurement results can be compared with ASTM D86.

In standard conditions, the boiling point range obtained by distillation of petroleum is called "distillation range". That is, the indication of the quantity and temperature of the oil products that may be distilled out of the petroleum products within a certain temperature range. Distillation range refers to the temperature range from the initial boiling point to the final boiling point, which is obtained by distillation of oil under specified conditions and represents the evaporation characteristics.

Distillation range is one of the main physical and chemical indexes of petroleum products. It is mainly used to determine the composition of light and heavy fractions of oil products, and to control product quality and service performance. It is of great significance in light fuel. It is the main index to control the production of petroleum products. The boiling point range can be used to distinguish different fuels. It is one of the important test items of light oil products. During the test, inject 10ml of sample to be tested into the flask, install the flask on the heating module, and the module will automatically distill 10ml of test oil according to the corresponding temperature rise control program, export the generated oil vapor from the flask, determine the digital relationship between its distillation temperature and the volume percentage of distillate, and calculate the temperature of each distillation percentage of oil product.

Main Characteristic

- Fewer sample volume: only 10ml sample is required
- Less analysis time: analysis time is less than 10min/sample
- Automation of detection process: one touch operation
- Accuracy of test results: comply with ASTM D7345 standard and has good correlation with ASTM D86
- Convenience, easy to carry, independent operation
- The safety measures are complete

Main Parameters

- Power Supply : AC100-240V 50-60Hz
- Maximum Power : 192W
- Injection Volume : 10mL
- Operation Atmospheric Pressure / Altitude : 57.7-106.7kPa (Altitude up to 4500 meters)
- Analysis Time : about 10min / sample
- Sample Detection Temperature : 0°C ~ 450°C
- Detection Precision : Meets the precision requirements of "ASTM D7345-2023 Standard Test Method for Atmospheric distillation of petroleum products and liquid fuels (micro distillation method) ".
- Ambient Temperature : 15°C ~35°C
- Size (long×wide×high) : 470mm×315 mm×335 mm
- Weight: 8 kg

