

## AUTOMATED DISTILLATION TESTER ————— Model AD-6



Model AD-6 automatically performs distillation test of petroleum products as well as narrow boiling range samples. The 6th generation automated distillation tester has been developed to further enhance the ease of use and friendliness to the environment.

Optional Windows Software "ADManager" for monitoring, programming and data storage is available.

- **test stds:** ISO3405, ASTM D86/850/1078, etc.
  - **range:** 0 to 300°C/400 °C
  - **corrections:** loss, barometric, hesitation point, etc.
  - **test parameters:** programmable prior to a test and can be recalled at any time.
  - **condenser bath:** metallic bath with Peltier Cooler
  - **size/weight:** 400W x 520D x 710H(mm) / 55kg
  - **power consumption:** 1.5kW
- AD-6 requires N<sub>2</sub> gas for fire containment system



## CARBON RESIDUE TESTER ————— Micro Method: Model ACR-M3



ACR-M3 automates the vaporizing/coking process of **Micro carbon residue test**, the result of which has been found well correlated with conventional Conradson method's. Furthermore, due to its more consistent process, it yields better precision. This second generation model has been further improved for its ease of use and test throughput.

- **test stds:** ISO 10370, ASTM D4530, etc.
  - **range:** Up to 500°C
  - **N<sub>2</sub> gas flow rate:** automatically regulated, and displayed on the front panel
  - **size/weight:** 350W x 390D x 460H(mm) / 21kg
  - **power consumption:** 1.6kw
- Model ACR-M3 requires N<sub>2</sub> gas supply.



## CARBON RESIDUE TESTER ————— Conradson Method: Model ACR-6



ACR-6 automates the cracking/coking process of **Conradson carbon residue test**. The microprocessor controlled oven requires less experience to conduct the tedious process and therefore yields more consistent test result.

- Easy operation: Optimum heater output for prescribed burning process is programmed with ease prior to a test. Once a test starts, no further adjustment needs to be done.

- **test stds:** ISO 6615, ASTM D189, IP 13, etc.
- **process control:** by microprocessor
- **ignition detection:** by sheathed thermocouple
- **size/weight:**  
control unit: 250W x 360D x 190H(mm) / 7.5kg  
oven: 190W x 260D x 440H / 5.5kg
- **power consumption:** 2.2kW

## AUTOMATIC VAPOR PRESSURE TESTER



Model AVP-30D automatically measures **Reid vapor pressure(RVP)** utilizing a miniaturized bomb. While ease of operation and smaller instrument size are achieved with the smaller size bombs, test result precisely agrees with that of the regular size Reid bomb.

- Compact size: Width is merely 400mm.
- Reliable/efficient see-saw shaking mechanism.

## Reid Method, Demi Size: Model AVP-30D

- **related test stds:** ISO 3007, ASTM D323, IP69, etc
  - **type:** bench-top with 2, 3, or 4 Demi-size bombs
  - **range:** 0 to 196kPa (2kgf/cm<sup>2</sup>)
  - **bomb:** stainless steel bomb with approx. 60% in length and 30% in volume of regular Reid bomb
  - **size/dry weight:** 400W x 600D x 740H(mm) / 45kg
  - **power consumption:** 2kW
  - **option:** manometer, air compressor
- AVP-30D comes with either 2, 3, or 4 bombs.  
When inquiring, specify the number of bombs.