

**AUTOMATIC**  
**VAPOR**  
**PRESSURE**  
**TESTER**  
(Reid Method, Demi Size)

**Model**

**avp-6**



**avp-6** series carries out the Reid Vapor Pressure test prescribed in ASTM D323 and IP69, avp-6 has been developed after its well received predecessor, AVP-30D series, with further enhancement in the electronics. The new features is that while maintaining the test accuracy of the AVP-30D, a touch panel has been adopted to achieve smooth operation.

**EASY HANDLING:** Compact size cylinders allow easier handling, yet yielding the same test results compared to the heavy full size cylinders. (The V/L ratio of 4 is maintained, and therefore equivalent test result is obtained).

Note- The suffix "D" followed by "AVP-30" stands for "Demi size".

**COMPACT SIZE:** Width is merely 400mm, and the footage on the lab bench is at minimal.

**PRECISE RESULTS:** Semiconductor type vapor pressure sensor and reliable/efficient see-saw shaking mechanism are employed. The semiconductor sensor is extremely stable, yielding consistent test results.

**TRACEABLE:** The pressure sensor can be calibrated easily using a Digital Manometer (Optional).

### SPECIFICATIONS:

#### RELATED STANDARDS:

ISO 3007, ASTM D323, IP69 etc.

#### TYPE:

Bench-top with 2,3, or 4 Demi-size cylinders

***Pls. Indicate number of cylinder when ordering***

Automated continuous shaking of test cylinder by "see-saw" motion.

#### MEASURING RANGE:

0 to 196kPa (2kgf/cm<sup>2</sup>)

#### TEST CYLINDERS:

Small size stainless steel cylinders with 66% in length and 31% in volume compared to the regular full size cylinders.

The V/L ratio of 4 is the same as full size cylinder.

A "Quick Coupler" is equipped at the center of the vapor cylinder for connecting to external pressure sensor

located inside of the tester

#### PRESSURE SENSOR:

Semiconductor type pressure sensor.

Range: 0 to 196kPa (2kgf/cm<sup>2</sup>)

Linearity: <0.3% of the range

Hysteresis: <0.3% of the range

#### DISPLAY:

Touch Screen

Pressure display range: 0 to 200kPa or 0 to 2kgf/cm<sup>2</sup>

#### SHAKING:

By "see-saw" movement with angular movement of +/-15 degrees and interval of 6 sec

#### BATH:

Temperature Range: Ambient to 60°C

Temp control: Digital controller/display with PT-100 Sensor,

Precision: +/-0.1°C

Stirring: By propeller driven by motor

Heater: Stainless sheathed heater 1.15kW

#### CALIBRATION:

By connecting a Digital Manometer (optional) to the pressure sensor

#### SAFETY MECHANISM:

Water level monitoring device for preventing overheating due to low water level

Specifications subject to change without prior notice.

#### DATA OUTPUT:

RS-232C 1 channel (for PC or Optional Printer)

#### DIMENSION & WEIGHT:

400W x 600D x 720H (mm),

50kg when dry, 85kg when filled with water

#### INSTALLATION SITE:

Ambient temperature: 0 to 40 °C

RH: Less than 90%(no condensation)

#### POWER SUPPLY:

AC100/120V or 220/240V 50/60Hz

(set at the factory) 1.5kW(max.)

#### ORDERING INFORMATION:

##### STANDARD ACCESSORIES:

	2 cylinders	3 cylinders	4 cylinders
1. Cylinder Assembly	2 sets	3 sets	4 sets
2. Packing for Cylinder	2 pcs	3 pcs	4 pcs
3. Fuse(15A)	2 pcs	2 pcs	2 pcs
4. Water Hose	1 pc	1 pc	1 pc
5. Drain Hose Band	1 pc	1 pc	1 pc
6. Teflon Ferrules	1 set	1 set	1 set
7. Connecting Tube. PTFE	1 pc	1 pc	1pc
8. Pressure Releasing Jig	1 pc	1 pc	1 pc
9. AC power code	1pc	1 pc	1 pc
10. Instruction Manual(USB)	1 pc	1 pc	1 pc

##### OPTIONAL ACCESSORIES:

- Digital Manometer, KDM30 up to 100kPa  
(with Certificate)
- Handy Air Pump
- Printer, NEX-C200R05 220V with AC Adapter and  
Connecting Cable

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