

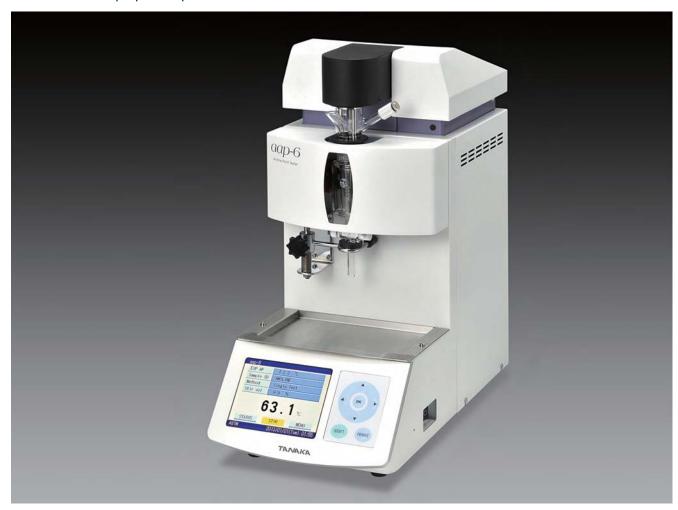
# Automatic Aniline Point Tester aap-6

- Ergonomically color-coordinated display for high visibility for everybody and intuitive switch operation.
- Enhanced versatility including Ethernet for LIMS, USB port for flash memory or keyboard, password protection and data storage (max.200 results).
- All-in-one chassis design: compact, light weight and premier exterior.

#### **Intelligent Full-Auto operation**

aap-6 automates the aniline point test of petroleum products. The theme of 6th generation is "Ergonomic, Versatile and Premium".

aap-6 is capable of covering a wide range of samples including transparent samples as well as dark / opaque samples.



#### **User-friendly mesurring cell**

The measuring cell can be easily removed and placed on an analytical balance for weighing viscous samples including solid samples at ambient temperature. Water jacketed measuring cells are also available as an option for sub-ambient temperature.

#### **Easy operation**

Deliver the dried sample and aniline, enter the expected aniline point, and press the START key; all the rest of the test procedures such as heating, cooling and aniline point detection are performed automatically. The operator has an option to report the result after either single determination or multiple determinations.

#### **Easier and safer aniline handling**

For years, handling of the toxic aniline has been considered a hazardous operation. A bottle top dispenser can be connected to the measuring cell for directly delivering aniline without a manual pipette operation. Upon completing a test, discharge the aniline mixture from the bottom of the measuring cell, pour a cleaning agent, turn on the stirrer, and discharge the cleaning agent. The measuring cell can be cleaned without disassembling, which makes the cleaning easier and safer.

## Automatic Aniline Point Tester



#### **Specifications**

| Specifications                            |  |
|---|--|
| Conforming standards                      | ISO 2977, ASTM D611, etc.  |
| Samples                                   | Transparent or opaque/dark (<8.0 on ASTM color scale )   |
| Measuring range                           | Ambient $+20$ to $170^{\circ}$ C ( $338^{\circ}$ F ) For below ambient $+20^{\circ}$ C, use the optional water jacketed measuring cell and a cryostat.   |
| Temperature sensor                        | Pt100 in stainless steel sheath  |
| Aniline point detector                    | Photo-electric cell, with special detection circuitry  |
| Measuring cell                            | Modified u-tube type. vacuum jacketed glass cell with PTFE stopcock at the bottom for drainage.  |
| Display                                   | 5.7 inch color LCD with LED back light   |
| Heater                                    | Immersion heater in stainless steel sheath: 20 W   |
| Sequense control                          | By an on-board microcomputer   |
| Test mode                                 | Single, repeat ( $2 \text{ kinds}$ , average is reported to nearest $0.05^{\circ}\text{C}$ ), SPE and manual temp set  |
| I/O Port                                  | Ethernet x 1 for LIMS USB x 1 for Flash Memory or Keyboard RS-232C x 1 for PC or Optional Printer  |
| Safety mechanism                          | Automatically shuts off and the problem is reported by buzzer and display, in case:  ( a ) EAP+10°C or at 170°C is reached,  ( b ) Temperature sensor is found defective,  ( c ) Light projector or receiver is found defective,  ( d ) Built in battery is found drained out or,  ( e ) Control computer runs away ( no display )   |
| Sise (WxDxH)                              | 230 x 470 x 490 ( mm )   |
| Weight                                    | 14 kg  |
| Installation site                         | 10 to 40°C RH: Less than 90%   |
| Power supply                              | AC 100 to 240 V 50 / 60 Hz 125 W ( max. )  |
| Ordering information Standart accessories | Code No.       Part Name       Qty         1. AAP-03-011       Measuring cell,upper,2-inlet       1pc         2. 010-00-224       Measuring cell,lower       1pc         3. MPC-02-032       AC power cord 100 / 120 V 3.0 m       1pc         4. MPC-02-033       AC power cord 220 / 240 V 2.5 m       1pc         5. AAP-02-423       Measuring cell stand       1pc         6. 520-00-201       Hex driver       1pc         7. 320-00-021       Fuse ET2A       1pc         8. Instruction manual       1pc   |
| Optional accessories                      | Code No.       Part Name       Qty         1. 010-00-225       Water jacketed measuring cell,lower       1pc         2. 070-00-068       Printer BS2-80TS with connecting cable       1pc         3. 070-00-093       Printer roll paper ( 2rolls / pack)       1pc         4. 070-00-281       Mini USB keyboard       1pc         5. 010-00-223       Measuring cell, upper,1-inlet       1pc         6. AAP-02-031       Insulating tube       1pc  |
| Suggested spares                          | Code No.       Part Name       Qty         1. AAP-03-011       Measuring cell,upper,2-inlet       1pc         2. 010-00-224       Measuring cell, lower       1pc         3. AAP-04-411       Temperature sensor       1pc         4. AAP-04-011       Heater       1pc         5. 320-00-021       Fuse ET2A       1pc  |
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PTFE tubing connected to measuring cell for direct delivery from bottle-top dispenser for a safer aniline handling. PTFE tubing and fitting are not provided with aap-6. (option)

Specifications subject to change without prior notice.

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