



INNOVATIVE OIL CONDITION MONITORING SOLUTIONS

# **OLA-D86-D850-D1078**

## **Automatic Distillation Tester**



**OLA-D86-D850-D1078**

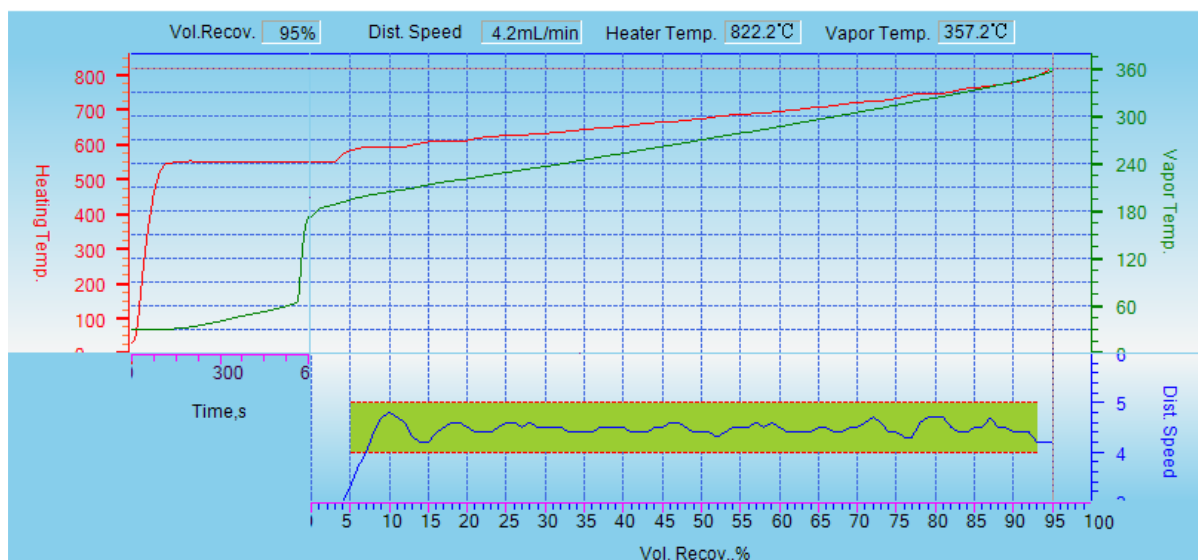
## Characteristics:

OLA-D86-D850-D1078 is designed to perform automatic distillation of petroleum products like gasoline, fuel oils, kerosene, naphtha and other solvent products. OLA-D86-D850-D1078 can automatically control distillation rate, recovery volume and determinate the IBP, FBP, DP and residue corrections.

10 inch touch screen can display simultaneously the temperature of heater, steam, cooling tube, receiver compartment. Three kinds of curves (distillation rate, heating temperature, steam temperature) can be displayed in real-time as well.

- LCD touch screen, English system customized
- Built-in accurate air pressure sensor to ensure precision of the tests
- A Class PT 100 temperature sensor
- Automatic fire detection and extinguishing
- Condenser temperature range: 0-60°C
- Receiving room temperature: 0-50°C

## Temperature Curves



## Test Result

List of Samp. Name

q13  
q12  
q11  
q7  
q6  
q5  
q4  
q3  
q2  
q1  
q1  
c11  
c10  
c9  
c8  
c7  
c6  
c5  
c4  
c3  
c2  
c1  
1  
2  
1

1/27

DEL Filter  
Print MOD

Name ID Program Remark  
User Name Admin  
Time

1 2 3 4

| Vol. Recov. | Dist. Rate | Vapor Temp. | Corr. Vapor Temp. | Evaporated Temp. | Measured        | Corrected | Unit     |
|-------------|------------|-------------|-------------------|------------------|-----------------|-----------|----------|
| IBP         | 314%       | 33.7°C      | 33.9°C            | 33.9°C           | Barom. Pressure | 100.4     | kPa      |
| 1%          | 2.1mL/min  | 40.1°C      | 40.4°C            | 40.4°C           | Max Recov.Vol.  | 96.6      | 96.8 mL  |
| 2%          | 3.0mL/min  | 41.6°C      | 41.9°C            | 41.9°C           | Loss            | 2.4       | 2.2 mL   |
| 3%          | 3.5mL/min  | 42.7°C      | 43.0°C            | 43.0°C           | Residue         | 1.0       | 1.0 mL   |
| 4%          | 3.9mL/min  | 43.6°C      | 43.9°C            | 43.9°C           | IBP Time        | 314       | s        |
| 5%          | 78s        | 44.4°C      | 44.7°C            | 44.7°C           | IBP Vapor Temp. | 33.7      | 33.9 °C  |
| 6%          | 4.9mL/min  | 45.0°C      | 45.3°C            | 45.3°C           | 5% Time         | 78        | s        |
| 7%          | 4.8mL/min  | 45.6°C      | 45.8°C            | 45.8°C           | 5% Vapor Temp.  | 44.4      | 44.7 °C  |
| 8%          | 4.7mL/min  | 46.1°C      | 46.3°C            | 46.3°C           | 10% Time        | 143       | s        |
| 9%          | 4.7mL/min  | 46.6°C      | 46.8°C            | 46.8°C           | 10% Vapor Temp. | 47.0      | 47.3 °C  |
| 10%         | 4.5mL/min  | 47.0°C      | 47.3°C            | 47.3°C           | FBP Time        | 123       | s        |
| 11%         | 4.5mL/min  | 47.5°C      | 47.7°C            | 47.7°C           | FBP Volume      | 96.4      | mL       |
| 12%         | 4.4mL/min  | 47.9°C      | 48.1°C            | 48.1°C           | FBP Vapor Time  | 196.0     | 196.4 °C |
| 13%         | 4.4mL/min  | 48.3°C      | 48.6°C            | 48.6°C           | DP Time         |           | s        |
| 14%         | 4.4mL/min  | 48.7°C      | 49.0°C            | 49.0°C           | DP Volume       |           | mL       |
|             |            |             |                   |                  | DP Vapor Temp.  |           | °C       |

Close

## Specifications:

|                       |                                                                              |
|-----------------------|------------------------------------------------------------------------------|
| Standard Test Methods | ASTM D86 ASTM D850 ASTM D1078                                                |
| Temperature Range     | Vapor : 0°C~400°C<br>Condenser : 0°C~60°C<br>Receiving room : 0°C~50°C       |
| Temperature sensor    | Pt100 for Vapor<br>Condenser and Receiver chamber<br>Thermocouple for Heater |
| Barometric correction | Automatic correction by barometric pressure sensor                           |
| Cooling System        | Built-in Compression Chiller                                                 |
| Safety                | Automatic fire alarm and extinguisher (N2 gas delivered with the tester)     |
| Communication port    | LAN x 1 RS-232C x 1 Parallel x 1 USB x 2                                     |
| Dimensions            | 480×620×610 (mm)                                                             |
| Weight                | 85 kg                                                                        |
| Power Supply          | AC220 V±10% 50Hz 2500W                                                       |

**Standard Accessories:**

|                             |       |
|-----------------------------|-------|
| Vapor Temp. Sensor          | 1 pc  |
| 125ml Flask                 | 1 pc  |
| Centering Device            | 1 pc  |
| Flask Fitting Device        | 1 set |
| Φ21.5 O-ring for Cylinder   | 4 pcs |
| Φ12 O-ring for Flask        | 2 pcs |
| 100ml Cylinder              | 1 set |
| 100ml Cylinder without base | 2 pcs |
| Fluid Director              | 1 pc  |
| Φ38 Flask Support Board     | 1 pc  |
| Φ50 Flask Support Board     | 1 pc  |
| Heater Insulating Tube      | 6 pcs |
| N2 gas connecting tube      | 1 pc  |
| Φ6 x 30 Fuse 15A            | 2 pcs |
| Condenser Cleaner Tool      | 1 pc  |