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**FANYUAN INSTRUMENT (HF)CO.,LTD.**  
**DOWELL SCIENCE &TECHNOLOGY (HK)CO.,LTD.**  
ADD:Tianyuan Road 9#,Hi-Tech Zone, HefeiCity, China Post Code:230088  
Tel: +86-551-65232508  
Fax: +86-551-65232507  
Email: sales@hkdownell.com  
Website: <http://www.fyichina.com.cn>

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## **DW5340 HDT/ Vicat softening temperature Tester**



### Model No.

**DW5340**

### Application:

DW5340 HDT/ Vicat softening temperature Tester, It is used to determine heat distortion temperature and Vicat softening temperature of high polymer materials, as an index of controlling quality and identifying thermal property of new products.

Sample is immersed in liquid and fixed by a pressure needle. Heat liquid with specified heating rate, sample becomes soft and will distort under the pressure. The liquid temperature is Vicat softening temperature when distortion reaches 1mm

### Related Standards:

|           |           |         |
|-----------|-----------|---------|
| STANDARDS | GB/T 1633 | ISO75   |
|           | GB/T 1634 | ISO306  |
|           | GB/T 8802 | ISO2507 |

Note: this tester can conform to but not limit to all the standards above, for more standards conformance, please contact us.

### Features:

- Deformation acquired via dial indicator, heating speed set by temperature controller;
- Sample holder automatically up and down, possible to test 3pcs of samples at a time;
- Nice appearance, novel design, high reliability, easy to operate;
- Conforms to GB/T1633, GB/T1634, GB/T8802, ISO75, ISO306, ISO2507, etc.

### Key Specification:

- Temperature range room temperature~300℃
- Heating speed (12±1)℃/6min (120±10℃/h)  
(5±0.5)℃/6min (50±5℃/h)
- Max. temperature error ±0.1℃
- Measuring range of deformation 0~3mm
- Measuring error of deformation 0.01mm

- Heating medium methyl silicone oil
- Heating power 4kw
- Cooling method
  - more than 150℃ natural cooling
  - less than 150℃ water cooling or natural cooling
- Power supply AC220V ± 10%, 20A, 50Hz
- Dimensions 720×700×1380mm
- Net weight 180kg

**Standard Configuration:**

| No. | Item   | Quantity  |
|-----|--|-----------|
| 1   | Main machine   | 1set      |
| 2   | Sample holder  | 3pcs      |
| 3   | Pressure head for heat distortion<br>Pressure head for Vicat | 3pcs each |
| 4   | Dial indicator   | 3pcs      |
| 5   | Screw driver   | 2pcs      |
| 6   | Weights*   | 1set      |

**\*Weights:**

|                       | A    | B   | C   | D   | E   | F  | G  | H  | I | T | W            |
|-----------------------|------|-----|-----|-----|-----|----|----|----|---|---|--------------|
| Weight (g)            | 1000 | 912 | 500 | 200 | 100 | 50 | 20 | 10 | 5 | 2 | 88(load rod) |
| No. of units<br>(pcs) | 12   | 3   | 3   | 6   | 3   | 3  | 6  | 3  | 3 | 6 | 3            |