

No.148-HDA HEAT DISTORTION TESTER (FULLY AUTOMATIC)



JIS-K7191-1、 K7206、 ASTM-D648、 D1525、 IEC-335-1、 ISO-75-1、 306

This tester is the fully automatic version of the HEAT DISTORTION TESTER.

The robotic mechanism enables the operator to conduct the usual heat

distortion test and VICAT softening temperature test automatically. By setting

the test specimen to the specimen feeder, the computer software will

continuously conduct heat resistance test for a maximum of 120 samples.

No.148-HDA Specification

Stations	3 or 6 Stations (2 kinds)
Temperature Range	Max. 300 °C (Oil Bath)
Heat-Up Speed	120 ± 10 °C/hr and 50 ± 5 °C/hr
Bending Stress	1.80 MPa, 0.45 MPa
Weight Load	DTUL: Choose 2 types from Initial 76.5 gf to Max. 3,210 gf Option VICAT: 10 ± 0.2 N, 50 ± 1 N Option Ball Pressure: 0.4 to 2.0 N
Displacement Measurement	Differential Transformer: Scale 1/1,000 mm, Stroke 0 to ± 2 mm
Pressure Foot	DTUL: R 3.0 ± 0.2 mm Option VICAT: 1.000 ± 0.015 mm ² Option Ball Pressure: φ5 mm
Support Length	64 ± 1 mm, 100 ± 2 mm (Standard)
Refrigerating Device	Water Circulating System Option: Self Contained Refrigerator *When High Temperature cooling or Test Start Temperature 20 to 23 °C
Churning Device	Propeller type 3 and 4 Stations: 2 Propellers 6 Stations: 3 Propellers
Test Specimens	40 pcs × 3 Cassettes (Total 120 pcs) *When T10 mm

Software	Windows Compatible
Accessories	Pressure Foot Adjustment, Specimen Holder
Option	Silicon Oil, Safety Cover, Simultaneous Loading Device (Standard for No.148-HDA), Borosilicate Glass
Power Source	AC 200 V, 3-Phase, 30 A, 50/60 Hz
Air Source	0.5MPa or More
Dimensions/ Weight (Approx.)	W1,140 to 1,400 × D900 × H1,750 mm/ 350 to 400 kg