No.148-HD HEAT DISTORTION TESTER

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

This tester is used to evaluate the heat resistance of plastic. By loading specified bending stress to the test specimen while increasing the test temperature of the oil bath at a certain rate, the operator is to report the temperature at which the test specimen reaches standard deflection. The tester can also conduct the VICAT softening temperature test and the ball pressure test.

No.148-HD Specification

Stations	3, 4 or 6 Stations (3 kinds)
Temperature Range	Max. 300 °C (Oil Bath)
Heat-Up Speed	120 ± 10 °C/hr, 50 ± 5 °C/hr
Bending Stress	1.80 MPa and 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 Ball Pressure: 0.4 to 20 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 mm2 Option Ball Pressure: φ5 mm
Support Length	64 ± 1 mm, 100 ± 2 mm
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
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, 1-Phase, 30 to 40 A, 50/60 Hz
Dimensions/ Weight (Approx.)	W800 to 1,100 × D720 × H1,500 mm/ 120 to 200 kg