

Series : TM-1500 HEAT DEFORMATION TESTER



Model TM-1515

Outline

This tester measures the amount of deformation after a set period of time by clamping various types of wires, wire coatings, rubber, plastics, and other materials between two parallel plates, applying a load to the upper plate under high-temperature conditions.

The load can be set in 0.5 N increments between 3 N and 30 N, and the deformation can be read in units of one-thousandth of a millimeter.

Depending on the number of test specimens, there are three models available: the TM-1535 (1 specimen), the TM-1525 (3 specimens), and the TM-1515 (5 specimens).

Features

- The temperature distribution within the chamber is highly accurate.
- Loads can be easily applied or removed using a handle located outside the chamber.
- The parallelism between the upper and lower plates is maintained within ± 0.02 mm.
- All test specimens can be visually inspected from the outside during testing.

Specifications

MODEL	TM-1515	TM-1525	TM-1535
Ref. Standard	JIS C 3005, JIS K 6723		
No. of Channels	5	3	1
Temperature	RT to 180°C		
Load	3N to 30N (in steps of 0.5N)		
Displacement	20 mm max.		
Plate Dia.	40 mm of upper plate and 50 mm of upper anvil		
Inner Chamber	Made of stainless steel		
Measurement	Displacement measurement by digital dial gauge(s)		
Dial Gauge	20 mm of stroke and 1/1000 mm resolution		
Temp. Control	PID control with digital display		
Overheat	Automatic power off when the chamber temperature reaches the overheat setting.		
Power Supply	AC200V 20A	AC200V 15A	AC200V 10A
Heater rating	3KW	2KW	1.5KW
Accessories	5 sets of weights	3 sets of weights	1 set of weights
Dimensions	1460(W) × 1250(H) × 740(D)mm	1060(W) × 1250(H) × 740(D)mm	720(W) × 1125(H) × 695(D)mm
Weight	Approx. 330Kg	Approx. 240Kg	Approx. 120Kg



~ Simulate product testing in the lab ~

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