



Heat Deformation - HDT/VSP Tester

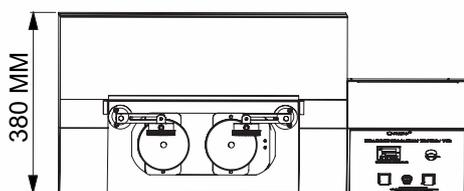


Model No. HDT/VSP-500

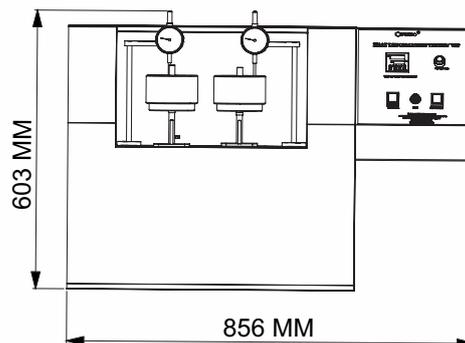
Heat Deformation – HDT/VSP Tester is a consistent tool useful for determining the ability of a given polymer to bear load at elevated temperatures. Accurate and reliable deflection or deformation is important component in plastics industry. PRESTO Heat Deformation HDT/VSP Tester is designed as per standards IS 2530-1963, ASTM D648-01, ASTM D1525-00.

- Equipped with 2 stations to measure Deflection temperature and Vicat Softening temperature
- Precise measurement through Digital Dial Gauge
- Used for testing with both water and silicone oil
- Advanced Digital Microprocessor PID based temperature controller
- Inbuilt Auto tuning function
- Highly accurate test results under uniform temperatures in the chamber
- Setting to RTD PT-100 sensor through advanced PID controller
- High Quality rugged structure with corrosion resistant main body
- Digital Dial gauge to measure the deflection in test samples
- Fast Guiding Mechanism with plunger rod
- Single handed hassle free operation with test start operation
- Stirrer Motor for Precise stirring of sample inside the tank &

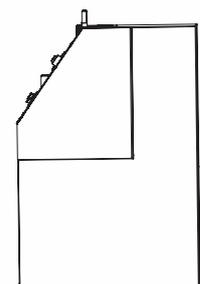
for Uniformity of Temperature



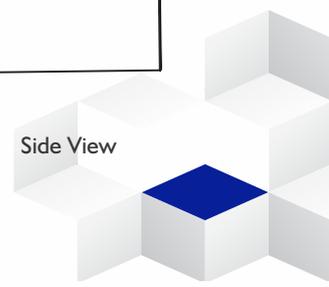
Top View



Front View



Side View





Presto Stantest Pvt. Ltd.

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Key Specifications:

Diameter of Indenter tip (VSP)	1mm circular (Flat ended needle)
Temperature Controller range	Upto 250°C
Rate of Heating	<ul style="list-style-type: none">120 ± 10°C/hr.50 ± 5°C/hr.
Test Weights	<ul style="list-style-type: none">10 N and 50 N (VSP)0.455 MPa and 1.82 MPa (HDT)
Liquid heat transfer medium	Water (90° C) Silicone oil (260 °C)
Dial Gauge Range	upto 10 mm
Resolution/Least Count	0.001 mm
Wet Heater	1 Kw X 2
Power	220V, 50Hz, Single Phase
Diameter of indenter tip (HDT)	13 MM (Approx)
Temp. Range with Silicon Oil	Ambient to 250°C
Temp. Range with water	Ambient to 90°C
Motor Capacity	1/70HP 1350rpm
Motor Type	Stirrer Motor

Highlights:

Program Segments	30 nos.
Digital Dial Gauge	2
No. of test stations	2 (HDT/VSP)
Drain valve	Yes
Material	Mild Steel(Outer Body) Stainless Steel(Inner Body)
Finish	Powder coated Havel Gray & Blue combination finish and bright chrome / zinc plating for corrosion resistant finish

- Silicon Oil is not a Part of supply
- * HDT applicable only for 3mm thickness Sample width placed Edgewise
- * Additional weights will be provided @extra cost.

PRESTO Heat Deformation HDT/VSP tester is equipped with indenter which indents the sample under specific load and offers heat deformation and Vicat Softening temperature of plastic or polymer materials. The deflection on the gauge is the measure of deformation of test specimen.

Optional :

- Other Specific Dead weight is also available on request

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