



**Presto Stantest Pvt. Ltd.**

I-42, DLF Industrial Area Phase-1, Delhi Mathura Road, Faridabad 121003, Haryana, India

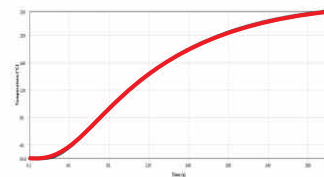
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## Heat Deformation - HDT/VSP Tester



Dial gauge with Indenter tip to measure deflection

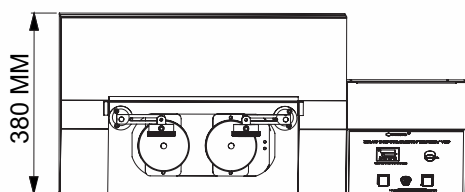


PID Temperature Controller with Ramp rate

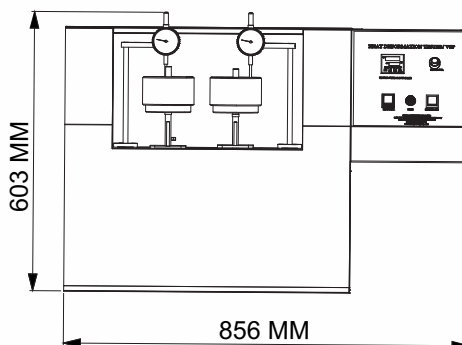
### Model No. HDT/VSP-500

**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, ISO 75-1(2004)-E, ASTM D648-01, ASTM D1525-00.

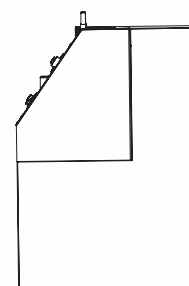
- Equipped with 2 stations to measure Deflection temperature and Vicat Softening temperature
- Precise measurement through Digital Dial Gauge
- Used for testing with both water and silicone oil
- Advanced Digital Microprocessor PID based temperature controller
- Inbuilt Auto tuning function
- Highly 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
- Controlled heating rate of temperature
- Stirrer Motor for Precise stirring of sample inside the tank & for Uniformity of Temperature



Top View



Front View



Side View

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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"><li>120 ± 10°C/hr.</li><li>50 ± 5°C/hr.</li></ul>
Test Weights	<ul style="list-style-type: none"><li>10 N and 50 N (VSP)</li><li>0.455 MPa and 1.82 MPa (HDT)</li></ul>
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

\* Sample thickness should be maintain 3 mm.

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

*Thank you customers for choosing us as your partners in growth !*



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### Our Other Products :-

					
ESCR Tester	Wall Thickness Gauge	Gloss Meter Triangle	Melt Flow Index NXG	MFR (Method A & B)	Moisture Analyzer MB 45

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