

## Heat Deformation - HDT/VSP Tester

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. Heat Deformation HDT/VSP Tester is designed as per standards **IS 2530-1963**, **ISO 75-1(2004)-E**, **ASTM D648-01**, **ASTM D1525-00**.



### Features

- 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

### Specifications

- Diameter of Indenter tip (VSP) --1mm circular (Flat ended needle)
- Temperature Controller range-- Upto 250°C
- Rate of Heating --120±10°C/hr .
- 50±5°C/hr.
- Weights-- 5 Kg (2 nos)
- 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

