

QC-661

Digital Vicat Heat Deflection Tester

Standard

ASTM D1525 ISO 306 GB T1633

Description

VST (Vicat Softening Temperature) is the temperature at which the surface of a loaded specimen (1kg or 5kg) is penetrated to a depth of 1mm by a standard needle (1mm² cross section).

The temperature increases by a steady rate of 50°C per hour. The tester is equipped with touch screen that guides users step by step. During the process, the specimen holder and the weight frame automatically rise and descend to facilitate specimen's installment and load calculation required by the test. A user-friendly interface and standardized process are designed to orientate users in the shortest possible and to reduce test errors. The display shows specimen temperature and LVDT displacement at each station. The temperature record stops when it reaches deflection value and the tester starts cooling down. Smart testing process is time-saving and requires only a minimum of testers.

The test is suitable for material that is hard at room temperature. The specimen is 3 to 6.5 mm thick and the dimension is at least 10 x 10 mm or Ø10mm.

Industry

Plastic, rubber

Appearance



Specification

Model	QC-661
Temperature	Room temperature up to 300°C
Temperature Control	50°C per hour (adjustable)
Weight	Method A: 1 Kg, Method B: 5 Kg
Deflection reading	0.001 - 3.000 mm
Specimen preparation	At least two flat, smooth, parallel specimens with thickness 3 to 6.5mm and area 10 x 10 mm or Ø10mm mm ² are needed. If the specimen is thicker than 6mm, reduce it by half on one side and keep the other side unchanged. If the thickness is below 2.5 mm, stack the specimen with less than 3 other materials and make the combination at least 3 mm thick.
Feature	1. Multiple data are displayed on the 7" touch screen 2. Load data completely recorded and data exportable to Excel 3. User-friendly and illustration-guided interface 4. Jigs are replaceable
Temperature control	Water cooling circulation
Cooling method	Water cooling (optional)
Stations	6 stations
Tester Dimension	48 × 110 × 125 cm
Tester weight	230 kg (empty), 250 kg (with oil)
Oil bath capacity	25 liters

Productos relacionados

QC-652S Melt Flow Index Tester

QC-656 H.D.T. Digital Heat Deflection Tester

QC-639P(Q) Computerized Impact Tester

QC-639C(D) Mechanical Impact Tester



*Cometech reserves the right to modify specification of the product.

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