



## **Vicat softening temperature & HDT machine LD-TVHT-A10**

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# Vicat softening temperature & HDT machine LD-TVHT-A10

## Overview

Vicat softening temperature & HDT testing machine TVHT-A10 with light weight and compact design, is adopted with advanced PID technology & photoelectric technology to control rise in temperature. Mainly used for the determination of temperature of thermal deformation (deflection) & vicat softening point of nonmetallic materials such as plastic, rubber, insulating materials. It is in accordance with international ISO, ASTM standards.

## Features:

- Adopted with high precision temperature sensor
- Protection against over temperature
- Adopted with advanced PID technology & photoelectric technology
- Ensures error of heating speed is less than  $0.5^{\circ}\text{C}$
- Software protection
- Digital dial gauge for accurate measurement

## Applications:

Vicat softening temperature & HDT testing machine is used in chemical & plastic industry, research institutes.

## Specifications:

|                                |                                                                                                                 |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Heating rate                   | 50°C/ h ( $5 \pm 0.5^{\circ}\text{C}/ 6 \text{ min}$ ) , 120°C/ h ( $12 \pm 1^{\circ}\text{C}/ 6 \text{ min}$ ) |
| Power supply                   | AC220V, 50 Hz                                                                                                   |
| Test station                   | 3 stations                                                                                                      |
| Cooling method                 | Wind cooling, neutral cooling, fast water cooling                                                               |
| Heating medium                 | Methyl silicon oil                                                                                              |
| Deformation accuracy           | 0.01 mm                                                                                                         |
| Range of deformation           | 0 to 10 mm                                                                                                      |
| Operating temperature          | Ambient temperature to 300°C                                                                                    |
| Deformation measurement method | Digi gauge                                                                                                      |