

This instrument is used for determining the linear change of a refractory caused by a change in temperature and to ascertain the reversibility of these characteristics. It may also be used to determine the expansion and contraction characteristics of raw materials and refractories that do not exhibit reversible linear changes with increasing temperature.

Applications:

- Manufacturing materials
- Acrylonitrile-Butadiene-Styrene (ABS)
- High Density Polyethylene (HDPE)
- Polyacetal (Acetal) POM
- Polyamide (Nylon) PA
- Polycarbonate (PC)
- Polyethylene (PE)
- Polyether-Ether-Ketone (PEEK)
- Polyethylene Terephthalate (PET)
- Polytetrafluoroethylene (PTFE)
- Other Plastics

Features:

- Analogue Gauge: 5 x 0.001mm
- Accuracy $\pm 3\%$
- Upper and Lower Limit Markers
- Easy-to-read dial gauge
- Bench-top operation

Standards:

- ASTM D696





Options:

- Digital Gauge: 12 x 0.001mm
- Vertical Thermostatic Water Bath
 - Temperature Range -40°C to +100°C
 - $\pm 0.2^\circ\text{C}$ accuracy
 - Bath Depth 120mm
 - Circular Flow 6L/min
 - Internal dimensions 280 x 250 x 220mm
 - External dimensions 510 x 430 x 760mm



Water Bath

Connections:

- **Electrical:** 220/240 VAC @ 50 HZ or 110 VAC @ 60 HZ
(please specify when ordering)

Dimensions:

- **H:** 750mm
- **W:** 125mm
- **D:** 125mm
- **Weight:** 5kg



Working Environment:

- **Operating Temperature:** -10°C to 55°C
(with no condensation or icing)
- **Operating Humidity:** 25% to 65%
- **Storage Temperature:** -25°C to 65°C
(with no condensation or icing)