



40-060 Quartz Tube Dilatometer

Standards

ASTM D696 – DIN 53752



Application

The quartz tube dilatometer is designed to determine the coefficient of thermal linear expansion of plastics as a function of temperature according to DIN 53752 and ASTM D696.

Features

The dilatometer impresses with its simple instrument design for testing up to three specimens simultaneously. The gradient can be freely adjusted via the bath thermostat. The specimens can be taken directly from the standard dipstick to be used for testing. Intuitive software automatically controls the test sequence and records the results.

Technical Data

Stations	1 to 3
Displacement Measurement	25 mm \pm 0.001 mm
Temperature Range	-50 to 200 °C dep. on the temperature medium
Temperature Gradient	1 K/min – other selectable
Temperature Constancy	\pm 0.02 K

Dimensions and Connections

Dimensions (DxWxH)	approx. 480 x 540 x 820 mm
Weight	approx. 35 kg
Mains	230 V, 50 Hz, 2300 VA
Connection	USB