



CODE **GT2387**
 MODEL **DILA LS PT L76 D 1000 C**
 OVERALL DIMENSIONS 1200x400 mm
 VOLTAGE 230 V
 POWER 2 Kw
 WEIGHT 30 kg

DILATOMETER PT L76 D 1000 C

DESCRIPTION

DILATOMETER to measure a single sample from room temperature up to 1050 ° C in air.
 LINSEIS 32 BIT software
 PC and printer
 Quartz measuring system
 Standard calibration in Al₂O₃ with table

TECHNICAL SPECIFICATIONS

- Dilatometer complete with soft- and hardware, incl. calibration standards and accessories
- Data Acquisition software for controlling of the Dilatometer with several Parameter adjustments incl. temperature programming, gas control etc.
- Temperature range: RT up to 1050°C
- Sample length: up to max. 50 mm
- Sample diameter: 7 - 10 mm
- Measuring range: 50 µm up to 5000 µm
- Maximum resolution: 0,125 nm/digit

HARDWARE:

- Dilatometer basic unit with amplifier
- Automatic zero setting
- Auto-scheduler
- Electrical thermostatisation of the measuring head
- Measuring system out of quartz 12 mm diameter
- Sample thermocouple Type S
- Furnace RT up to 1050°C
- Power supply

SOFTWARE

- Software package compatible with Windows VISTA, 7, 8, 10 etc.
- All necessary measuring parameter are included in the menu structure individual commentaries
- Heat up and cool down speeds end of the heating curve as well as duration on holding temperature
- Repetition of the programming cycles up to 99 times
- 16 programmable segments
- The function menus are easy to manage
- Evaluation software with many functions to get complete results of several data
- ASCII Export
- Calculation of Delta L, Alpha physical, Alpha technical (CTE), TG
- Mathematical calculation of curves
- Statistical evaluation of curves with mean and confidence interval
- Print out of the results as curve or table
- Softening point software (protects the measuring system of melting samples)
- Evaluation can be done simultaneously to an ongoing measurement
- Measuring data will be corrected through correction curve

ACCESSORIES AND SPARE PARTS

GT2384	Calibration standard AL ₂ O ₃ with table
GT2386	software package for DTA measurement on Dilatometer