



CODE **GT2395**
MODEL **DILA LS PT L76 D 1600 C**
OVERALL DIMENSIONS 1200x400x300 mm
VOLTAGE 230 V
POWER 3,5 Kw
WEIGHT 30 kg

DILATOMETER LS PT L76 D 1600 C**DESCRIPTION**

DILATOMETER for measurement from room temperature up to 1600 ° C 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 1600°C
- Sample length: up to max. 50 mm
- Sample diameter: 12 mm
- Measuring range: 50 µm up to 5000 µm
- Maximum resolution: 0,125 nm/digit
- Dynamic gas atmosphere: prepared

HARDWARE:

- Dilatometer basic unit with amplifier
- Automatic zero setting
- Auto-scheduler
- Electrical thermostatisation of the measuring head
- Measuring system out of AL2O3 (12 mm diameter)
- Thermocouple Type S
- Furnace RT up to 1600°C
- Thyristor 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
- L75/DTA software package for DTA measurement on Dilatometer

ACCESSORIES AND SPARE PARTS

GT2389	Closed loop water cooling unit L75/WCU
GT2390	Grinding machine for sample preparation L75/GRIND