



CODE ..... **GT2392**  
 MODEL ..... **DILA LS PT L75 HD 1600 C**  
 OVERALL DIMENSIONS ..... 1200x400x300mm  
 POWER ..... 3.5 Kw  
 WEIGHT ..... 30 kg

**POWER SUPPLY**

DIMENSIONS ..... 480x400x 300 mm  
 WEIGHT ..... 40 Kg  
 VOLTAGE ..... 230 V

**DILATOMETER LS PT L75 HD 1600 C****DESCRIPTION**

- Differential DILATOMETER to measure 2 samples simultaneously from room temperature up to 1600 °C in air, under vacuum or in a controlled atmosphere
- With pressure on adjusted sample
  - Software LINSEIS 32 BIT with PC and printer
  - Software With measuring system with 2 sample holders and 2 Al2O3 rods
  - Calibration standard 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: 8 mm
- Measuring range: 50 µm up to 5000 µm
- Maximum resolution: 0.125 nm/digit
- Dynamic gas atmosphere: prepared
- Vacuum

**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)
- Sample thermocouple Type S
- Furnace with heating element, RT up to 1600°C
- Pc and printer
- Power supply

**SOFTWARE:**

- Software package compatible with Windows VISTA, 7, 8, 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 of 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**

GT2384	Calibration standard Al2O3 with table
GT2390	closed loop water cooling unit L75/WCU
GT2390	Grinding machine for sample preparation L75/GRIND
GT2393	kit vacuum designed for 10E-4 mBar L74/VACUUM