



CODE **GT2394**
 MODEL **LS PT L75 HS 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 HS 1600 C**DESCRIPTION**

Horizontal DILATOMETER for measuring from room temperature up to 1600 ° C
 Electronic setting and control of the pressure on the sample
 With sample holder and AL2O3 rod diameter 12 mm
 Measurement under high vacuum and in gas flow
 LINSEIS 32 BIT software
 PC with monitor and printer included
 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

SOFTWARE:

- Software package compatible with Windows XP, 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
- function menus are easy to handle
- evaluation software with many functions to get complete results of several data's
- ASCII Export
- Calculation of Delta L, Alpha physical, Alpha technical (CTE) and 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
- Evaluation prep. for TG / HDSC and RCS

HARDWARE:

- Dilatometer basic unit with amplifier
- Automatic zero setting
- Electrical thermostatisation of the measuring head
- Measuring system out of Al2O3 12 mm diameter
- Sample thermocouple Type S
- Thyristor power supply
- Furnace RT up to 1600°C

ACCESSORIES AND SPARE PARTS

GT2384	Calibration standard Al2O3 with table
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