



CODE **GT1121**
 OVERALL DIMENSIONS ... 1250x360x430 mm
 HOLDER AND PUSHROD ... Quartz
 TEMPERATURE 1000 °C
 POWER 1,25 kW
 WEIGHT 25 kg

DILATOMETER 1000

DESCRIPTION

Complete and reliable measuring instrument for laboratory tests, research and control on ceramic, glass, metal, plastics, polymers, composite, etc. The measuring system consisting of a sample holder with push rod that transmit the thermal expansion of the specimen to an LVDT transducer. By means a PC with software "DILATA" for Windows 7/Vista and colour printer, allow the customer to full operate on the Dilatometer 1000 L.

The software "DATALOG" enable the following functions:

- Program thermal cycle
- Recording of the dilatation test
- View and printing graphic data
- PLC: Percent Linear Change versus temperature
- DCE: Differential Coefficient of Expansion
- ACE: Average Coefficient of Expansion
- COE: Coefficient of Expansion between two point
- Zoom selected portion of the curves
- Compare on video and print more curves
- Data transfer to other applications

TECHNICAL SPECIFICATIONS

INSTRUMENTS:

- Max temperature: 1000 °C
- Thermocouple S type (Pt-Pt-10%Rh)
- Sample reference: alumina
- Accuracy with quartz measuring system: $\pm 0,9 \%$
- Accuracy with alumina measuring system: $\pm 1,2 \%$
- LVDT Range: 5 mm
- LVDT linearity: 0,25 % FS
- LVDT contact pressure: 30 g. or more
- Sample size: L=50 mm x $\varnothing 5 \div 10$ mm (on demand L=25 mm x $\varnothing 5 \div 10$ mm)
- Max heating rate: 30 °C / min
- Supply: 240 V - 50/60 Hz single phase

EQUIPMENT

- Dilatometer notebook with O.S Windows, software, DILATA and colour printer

ACCESSORIES

GT2011	Dilatometer cutting tool specimen precision DCT
GT0194	Mini electrical tile cutter
GT1548	Sample holder
GT1549	Push-Rod
GT1550	Support sample
GT0329	Additional kiln
GT1122	Quarz measuring system
GT1258	Thermocouple