CODE **GT1057**
MODEL . . . . . DILATOMETER**1300** L
OVERALL DIMENSIONS . . . . . 1250x360 x430 mm
HOLDER AND PUSHROD . . . Allumina
TEMPERATURE . . . . . 1300 °C
POWER . . . . . 1,25 kW
WEIGHT . . . . . 25 kg

DILATOMETER 1300

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® and colour printer, allow the customer to full operate on the Dilatometer 1300 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: 1300 °C*
- *Thermocouple S type (Pt-Pt-10%Rh)*
- *Sample reference: alumina*
- *Accuracy with quartz measuring system: ± 0,9 %*
- *Accuracy with alumina measuring system: ± 1,2 %*
- *LVDT Range: 5 mm*
- *LVDT contact pressure: 30 g. or more*
- *Sample size: L=50 mm x (on demand L=25 mm x)*
- *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