



CODEGT1121
 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

MAX TEMPERATURE	RT....1000°C
FURNACE	Kanthal wire
THERMOCOUPLE	Type S
SAMPLE HOLDER AND PROBE	Fuse Quartz
SAMPLE SIZE	50 mm lenght l Ø 6....20 mm
LVDT LINEAR RANGE	+/-2,54 mm
LVDT RESOLUTION	0,000001
PLC RESOLUTION	0,0001%
REPRODUCIBILITY	0,004 PLC
CONTACT LOAD	30 gr
HEATING RATES	Up to 30° C
CALIBRATION SAMPLE	L= 50 mm polycrystalline high alumina
MEASURING HEAD COVER	Included
DATA ACQUISITION	Data stored at 1°C increment
DATA ANALYSIS	Dilata© software

EQUIPMENT

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

ACCESSORIES AND SPARE PARTS

GT2011	Dilatometer cutting tool specimen precision DCT
GT0194	Mini electrical tile cutter
GT2089	Quartz Sample holder
GT2090	Quarz circular sector support sample
GT2091	Quarz push-rod
GT0329	Additional kiln
GT1122	Quarz measuring system
GT1258	Thermocouple