



CODE GT1057
 MODEL DILATOMETER1300 L
 OVERALL DIMENSIONS..... 1250x360 x430 mm
 HOLDER AND PUSHROD Alumina
 TEMPERATURE 1300 °C
 POWER 1,25 kW

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

MAX TEMPERATURE	RT.....1300°C
FURNACE	Kanthal wire
THERMOCOUPLE	Type S
SAMPLE HOLDER AND PROBE	High Alumina
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	0,006 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

GT2011	Dilatometer cutting tool specimen precision DCT
GT0194	Mini electrical tile cutter
GT1548	Alumina sample holder
GT1549	Alumina Push-Rod
GT1550	Alumina circular sector support sample
GT0329	Additional kiln
GT1123	Alumina measuring system
GT1258	Thermocouple