



CODE	GT2994
MODEL	DILATOMETER 1600
OVERALL DIMENSIONS	1250x620x36 mm
HOLDER AND PUSHROD	Alumina
TEMPERATURE	1600 °C
POWER	2,00 Kw
WEIGHT	79,00 Kg

DILATOMETER GT-1600

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 1600 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.....1600°C
FURNACE	Kanthal wire
THERMOCOUPLE	Type S
SAMPLE HOLDER AND PROBE	High Alumina
SAMPLE SIZE	50 mm lenght 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