

Thermal Expansion Testing according to UNI EN ISO 10545 pt.8

The GT-150 dilatometer is developed for test in the laboratories of ceramic industry according to **UNI EN ISO 10545-8 standard**.



The measuring system consists of a door-test with quartz feeler transmitting the thermal expansion of the specimen to the digital gauge.

Control board with thermo regulator LCD display, probe and SSR solid state relay. Connection RS232-PC with thermal cycle control software.

General features:

- Max temperature:150 °C.
- Programmable heating rate
- Heating forced air
- Digital Gauge 0,001 mm.
- Sample holder & pushrod: quartz.
- Max sample size: \varnothing 10x50 mm.
(20mm diameter as a special order)
- Thermal cycle control software for use in a Windows™ environment.

Product Code: GT1278

Supply:240 V.50/60 Hz. single phase.
Overall dimensions 380x450x580 mm.
Power 0,5 kW.
Net Weight Kg.20

Accessories:

Pushrod and sample holder in quartz.

Precision cutter specimen dilatometer (below)

Product code: GT 1282

Product Code: GT0194



This specially designed instrument for cutting the specimens to be inserted into the dilatometer, uses a special vice to cut the previously blank slats to a size of 25mm or 50mm.

(The angles of the sample opposite faces must be properly rounded before the use).

- Lower tank and special devices made stainless steel AISI-304
- Motor support in aluminium epoxy painted
- Diamond disc \varnothing 80 mm
- Fixed speed 1000 rpm
- Vertical stroke 50 mm
- Cooling system by means upper tank and ball valve
- Safety micro-switch
- Plexiglas protection
- Supply: Accumulator NI-MH 11,4 Vdc

Overall dimensions 280x300x500mm
Net Weight 6.5kg,