MAXIMUM SERVICE TEMPERATURE APPARATUS

PRODUCT CODE: DG-IS-MSTA

DIGITECH

Maximum Service Temperature Apparatus (DG-IS-MSTA), is a microprocessor based instrument designed to measure and display the Thermal Resistance of loose filled insulating materials, using hot plate method as per guidelines of Standard: EN 14706. The instrument is automatic and programmable; designed with latest integrated circuit technology. The instrument displays the measured value directly in engineering units.

The samples of the material to be tested are placed on top of a horizontal hot plate fitted on a furnace. The furnace consists of a heater and a sample loading and thickness measuring arrangement. The building blocks of the thermal resistance apparatus is a data logger cum temperature controller. The temperature measurement is done by embedded thermocouples in a hot plate. Five thermocouples are mounted on a hot plate and one thermocouple is provided to monitor temperature of other locations, as desired. All channels are displayed on local display. The voltage & current fed to the heater are also displayed on analogue meters.

MAXIMUM SERVICE TEMPERATURE APPARATUS

PRODUCT CODE: DG-IS-MSTA

DIGITECH

Real time, working temperature is programmable. The Temperature Controller controls the temperature of the hot plate. The temperature setting may be done continuously throughout the operating range.

The instrument is mains operated and supplied completely ready to operate along with Operating and Instructions Manual.

Suitable window based software is provided to collect data from data logger and provide R value with trend graph and report in PDF format.

SPECIFICATIONS

Product Code	DG-IS-MSTA
Category	Import Substitute
Heating Area	300 X 300 mm
Overall size	630 X 60 X 260 mm
Plate Thickness	>= 10 mm
Material	SS-310
No of thermocouples	Total 5 thermocouples are mounted on top side of hot plate. One thermocouple is provided for temperature monitoring of sample.
Thickness deviation measurement	By LVDT 0- 10.00 mm
Working Temperature	200 to 1000 °C
Maximum working temperature	1000°C

Window based software:

Window based software is provided to program / monitor and calculation of K-value. Online data and the graph is displayed for all the channels along with time stamp.

MAXIMUM SERVICE TEMPERATURE APPARATUS

PRODUCT CODE: DG-IS-MSTA

DIGITECH

Data Logger cum Temperature Controller

Display	LCD display
Key Pad	20 keys.
Sensor	K Type thermocouples.
Measurement Range	0°C to 1200°C
Resolution	10 °C
Measurement accuracy	± 0.5% or better.
Temperature control accuracy	± 2% or better.
Control setting Guarded Hot Plates	200 to 1000 °C
Temperature Setting	KEYBOARD
Sample thickness	25 - 100 mm
Heating rate	50 or 300°C /Hrs.
Computer Interface	Serial port RS 232C, transfer rate 9600
Power	230V ac mains 5KW.

Ordering Information

Item:
Maximum Service Temperature Apparatus

Category:
Import Substitute

Unique Code:
DG-IS-MSTA

Accessories:
- Power Cable
- Operating Manual

Customization:
Any customisation request to be made at the time of placing the order

Order Placement:
- Via the Website
- Via E-mail
- Via Phone

A K Goel
Managing Director
Digitech Roorkee
info@digirke.com
9897239204
Web: www.digirke.com