

Quotation 2017-18

Subject: Proposal for thermal conductivity measurement system

Dear Sir,

Refer to your enquiry for thermal conductivity measurement system

Thermal conductivity and interfacial thermal conductance play crucial roles in the design of engineering systems where temperature and thermal stress are of concerns. To date, a variety of measurement techniques are available for both bulk and thin film solid-state materials with a broad temperature range. For thermal characterization of bulk material we use Comparative cut bar technique. A standard material with known thermal conductivity is mounted in series with the test sample.

Specifications of the system

Specifications of seebeck measurement system

Range of measurement

~0.01 W/m · K to ~5000 W/m · K

Temperature range

- Main furnace RT – 500 degree C
- Delta T option to choose steps of 1- 25 degree
- Auto balancing temperature algorithm for steady state fine measurement
- No of sensors 4 nos. 2 for each standard and test specimen

Vacuum furnace

- Main furnace is Vacuum furnace

Sample Size

- 16*4*2 mm rectangular bar

Price Details and Terms & Conditions

Thermal conductivity measurement system	Rs 8,00,000/-
MFC 0 – 200 CCM (Optional incase user wishes to measure in gas environment)	Rs 2,00,000

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- From 1st July GST @ 18% will be charged.
- Payment 100% against delivery
- Performa invoice will be provided after material is ready for inspection
- Warranty 1 year from date of installation
- Warranty certificate shall be provided