

BORANG PERMOHONAN PENGGUNAAN PERALATAN
THERMAL CONSTANTS ANALYZER (Hot-Disk)

Kategori Projek (*ProjectCategory*): ☐ Tahun Akhir (*Final Year*) ☐ MSc ☐ PhD
☐ Perundingan(*Consultation*) ☐ R&D

Name of Applicant:

Email: H/P: USM ext. no.:

No. Matrix/IC:

School/Department:

Research Title:

Nama Sampel (<i>Sample Name</i>)	Jenis Sampel (<i>Sample Type</i>) (Polymer, Composite, Metal and Ceramic)	Keadaan Sampel (<i>Sample Condition</i>) (Sheet, Thin Film, Liquid, and Powder)	Anggaran Kekonduksian Termal (<i>Expectation Thermal Conductivity</i>) (W/mK)	Suhu Ujian (<i>Testing Temp.</i>) (°C)	Suhu lebur (<i>Melting point</i>) (°C)	Ketebalan (<i>Thickness</i>)	Bil. (<i>Qty</i>)

Note:

- (1). Sensor sizes (D=diameter, mm): STANDARD (D=13), THIN FILM (D=30).
- (2). Sample thickness: STANDARD (≥ 3 mm), THIN FILM (10 - 500 μ m)
- (3). Sample size must larger than sensor diameter. (Cylindrical shape is suggested)
- (4). Testing temperature range: Room temp. until 450 °C.
- (5). Only STANDARD allow to measure in high temp.
- (6). Please provide 2 pieces sample as 1 set sample except for liquid and powder.
- (7). **Thermal conductivity** and **Thermal diffusivity** can be obtained from this testing.

Tandatangan (*Applicant Signature*): Tarikh (*Date*):

Kebeneran daripada Penyelia projek (*Supervisor Approval*)

Saya, meluluskan permohonan untuk menggunakan kemudahan seperti di atas

..... Tarikh(*Date*):
(Tandatangan Penyelia Projek)
Supervisor Signature

Kebeneran daripada Penyelia Peralatan (*Approval by Equipment In-Charge Supervisor*)

(*Profesor Ir. Dr. Mariatti Jaafar@Mustapha /Prof. Mayda Dr. Anasyida Abu Seman@Hj Ismail*)

..... Tarikh(*Date*):
Tandatangan Penyelia Peralatan
(*Approved by Equipment In-Charge Supervisor*)