

Thermal Conductivity Meter

TPS M1



MATERIALS



SOLIDS



PASTES



POWDERS

TPS M1

The Hot Disk TPS M1 is an entry level, cost effective thermal conductivity system offering high accuracy and measurement repeatability. Solids, pastes and powders are easily measured for thermal conductivity over the range of 0.03 to 40 W/m/K. Simple and easy to use, with the TPS M1 system measurements are made within minutes out of the box. The portable and lightweight design makes it effortless to move between various measurement locations if needed.

The TPS M1 can be controlled using an iPad® (Wi-Fi connection) or optional PC software (USB). The TPS M1 System comes complete with the M1 controller, TPS Kapton sensor #8563, sample holder, stainless steel verification sample and Wi-Fi transmitter. The iPad® software is available through the App Store and measurement results can be stored and exported using DropBox® or iTunes®.

For more information on other instruments in the TPS family such as the TPS 3500, TPS 2500 S, TPS 2200, TPS 1500, TPS 500 S or TPS 500 available from Thermtest, please contact us.

Key Features

- High accuracy and measurement stability.
- Hot Disk sensor and sample holder included.
- Wireless control and data analysis using an iPad®.
- Software and updates available through the App Store.
- Data export and storage via DropBox® or iTunes®.
- Ideal teaching tool at school & university laboratories.

TPS M1 SPECIFICATIONS*

Materials	Solids, Pastes
Orientation	Homogenous & Heterogeneous
Applications	In-Lab or Portable testing
Measurement Capabilities	Bulk Properties
Thermal Conductivity	0.03 to 40 W/mK
Reproducibility	Better than 2%
Accuracy	Better than 5%
Temperature Range	Ambient (RT)
Smallest Sample Dimensions	10 mm Thick, 40 mm Diameter or Square
Largest Sample Size	Unlimited

* Method is continually improved; specifications are subject to change without prior notice.