

**SOLIDS**



**PASTES**



**POWDERS**



**TPS M1**

*Portable Thermal Conductivity  
Meter for Measurement of  
Solids, Pastes, & Powders*

**THERMTEST  
PORTABLE**

# FEATURED TRANSIENT PLANE SOURCE CAPABILITIES

The Hot Disk TPS M1 is a cost effective thermal conductivity system offering high accuracy and measurement repeatability. Solids, pastes and powders are easily measured for absolute 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.

## VERSATILITY



*Solids, Pastes, and Powders*

## ABSOLUTE - QUANTITATIVE



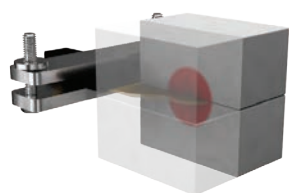
*No Calibration*

## NO CONTACT AGENT



*Effects of Contact Resistance Removed*

## PENETRATION DEPTH



*Variable*

## TPS SENSORS



*Two-sided & Single-sided*

## iTPS PLUGIN



ASTM D7984  
ASTM D5334  
ASTM D5930  
ASTM D7896  
ASTM E228

*Expanded Use*

For a wider range of thermal conductivity (**0.005 to 1800 W/mK**) and applications, please refer to the Hot Disk TPS brochure or visit [www.thermtest.com](http://www.thermtest.com)

- **Thermal conductivity, thermal diffusivity, and specific heat**
- **Portable, Economical, & Accurate**
- **Solids, pastes, and powders**
- **No Calibration or contact agent**
- **Two-sided & single-sided sensors**

## TPS M1 SPECIFICATIONS

Materials	Solids, Pastes, & Powders
Measurement Capabilities	Bulk Properties
Thermal Conductivity	0.03 to 40 W/mK
Measurement Time	Typically less than 40 Seconds
Reproducibility	Typically better than 2%
Accuracy	Typically better than 5%
Temperature Range	10 to 40°C
Smallest Sample Dimensions	40 mm (diameter or square) x 10 mm
Largest Sample Size	Unlimited
Type of TPS Sensors	Two-sided and Single-sided