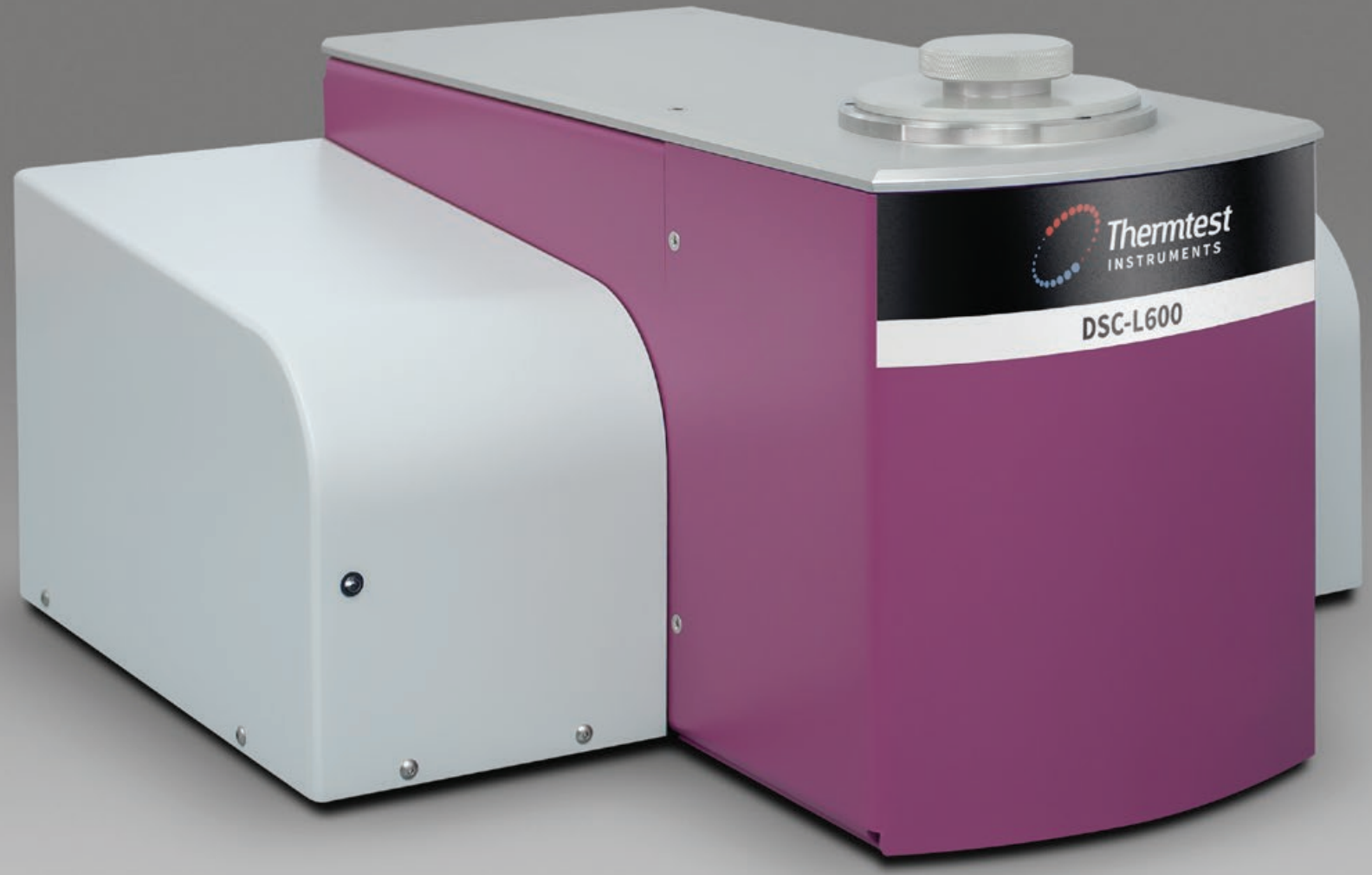
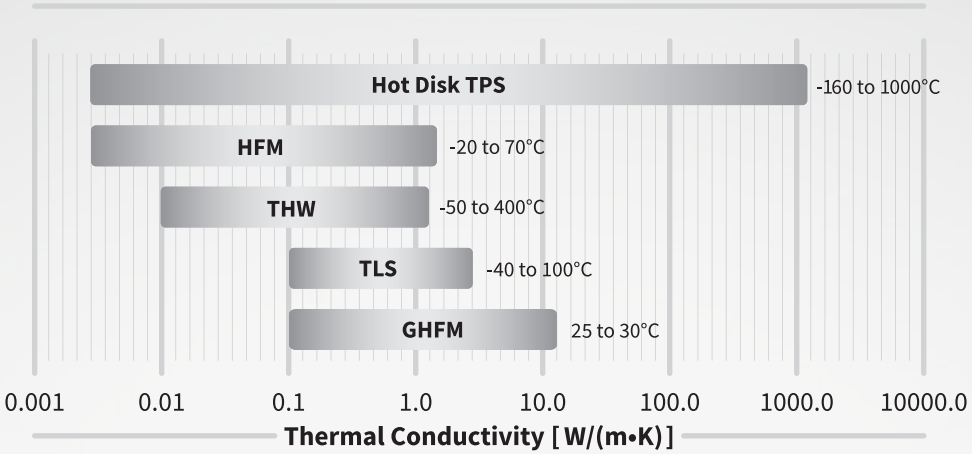


DSC-L600

Conforms to ISO and ASTM standards

Differential Scanning Calorimeter for measurement of energy released or absorbed.

Thermtest
INSTRUMENTS



Thermtest INSTRUMENTS

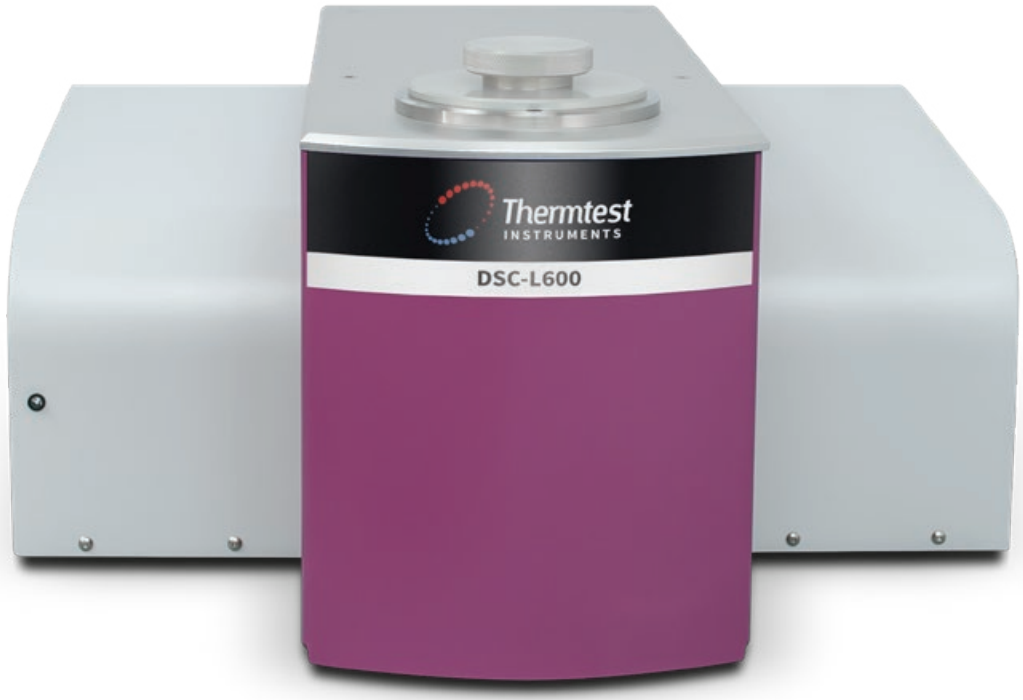
THERMAL CONDUCTIVITY:
Hot Disk TPS Series (Transient Plane Source)
HFM-100 (Heat Flow Meter)
THW-L1 (Transient Hot Wire)

THERMAL ANALYSIS:
DSC-L600 (Differential Scanning Calorimeter)
TGA-1000 (Thermogravimetric Analyzer)
TGA-1500 (Thermogravimetric Analyzer)

Thermtest PORTABLE

TLS-100 (Transient Line Source)
THW-L2 (Transient Hot Wire)
TPS-M1 (Transient Plane Source)
TPS-EFF (Transient Plane Source)
GHFM-02 (Guarded Heat Flow Meter)

A full line of high-quality Thermal Analysis instruments have been added to our suite of instruments. Thermtest has been advancing the measurement of thermal conductivity, thermal diffusivity, and specific heat for more than a decade. With more than 2000 satisfied customers worldwide, our unique combination of advanced thermal conductivity instrumentation for the laboratory, portable meters for the field, and accessories, enables us to provide ideal solutions to fit any material testing application and budget.

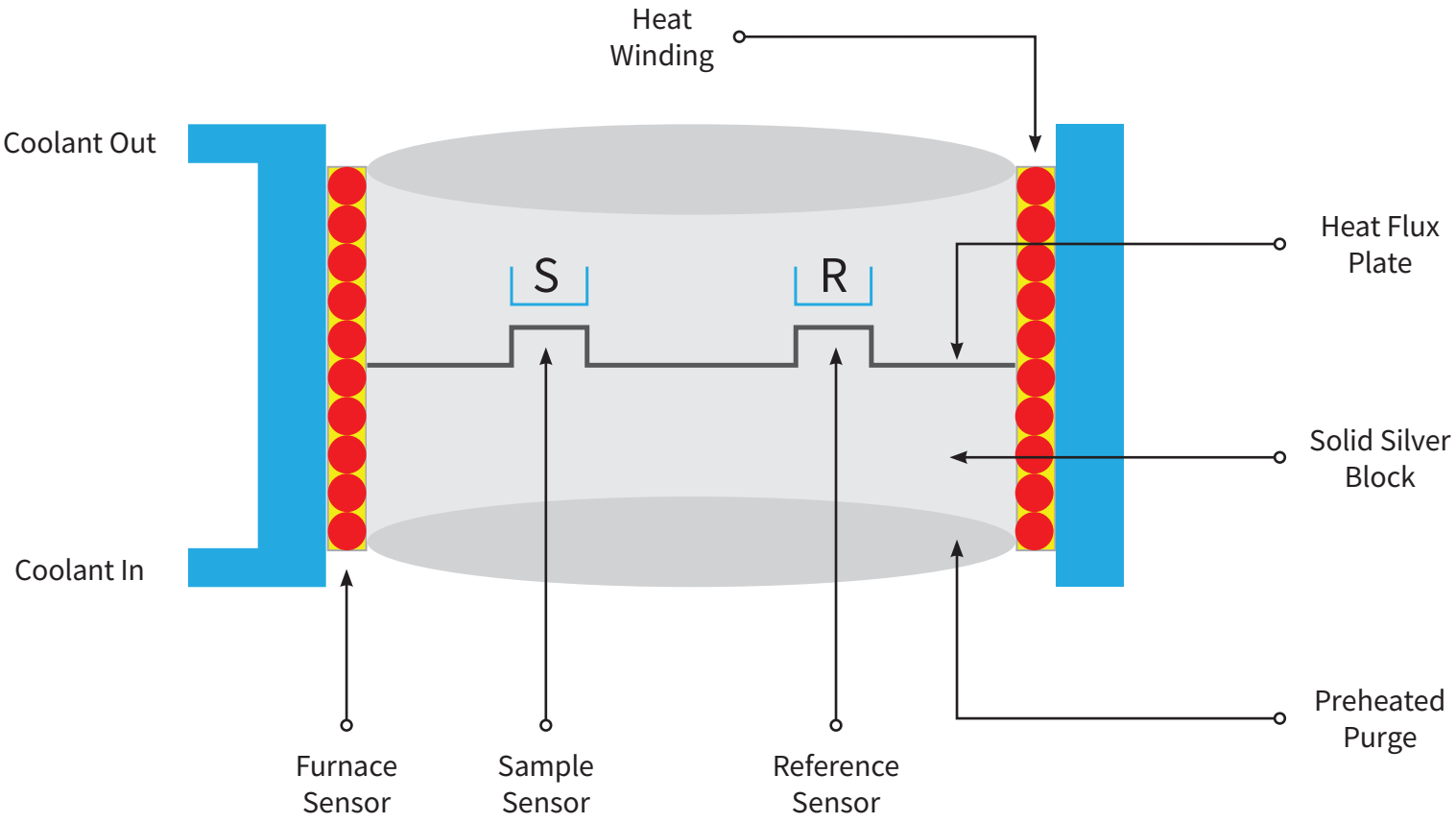


DSC-L600 (Differential Scanning Calorimeter)

The Differential Scanning Calorimeter (DSC-L600) is a powerful instrument that measures the heat flow of a sample as a function of time or temperature. The DSC-L600 has been designed to be a cost-effective instrument that is well suited for research or QC applications. The instrument communicates with the PC via a RS232/USB connection.

The specially designed heat flux plate has demonstrated more than twice the sensitivity than other heat flow type DSC's on the market. The reproducibility is excellent, and the noise level is virtually unnoticeable due to a precision high gain, low noise differential amplifier.

DSC-L600 **MEASURING CELL**



DIFFERENTIAL SCANNING CALORIMETER **CAPABILITIES**

The DSC-L600 Differential Scanning Calorimeter is a powerful Thermal Analyzer that measures the energy absorbed or released as a function of time or a controlled temperature profile.

The sensor of the DSC-L600 is the heat flux plate which is designed to give superior performance and rugged reliability. The heat flux plate is capable of measuring small energy changes over the entire temperature range. Examples of measurements that can be conducted with this thermal analyzer are Melt enthalpy, Glass transition, Heat of Crystallization, Purity Determination and Heat Capacity.

The DSC-L600 has been developed in conjunction with the powerful Infinity Pro Thermal Analysis Software to provide superior performance. The 24 bit high-resolution electronics with USB interface has been designed from the ground up, offering years of reliability.

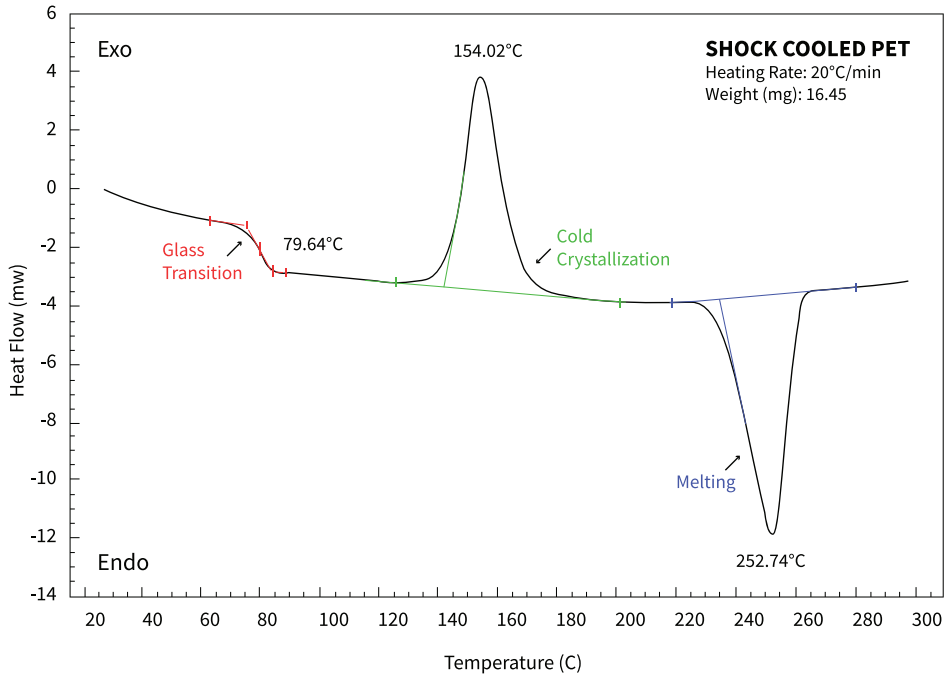
- **High-sensitivity heat flux design**
- **A stable and reproducible baseline**
- **Temperature range: -150°C to 650°C**
- **Exceptional temperature accuracy**
- **Preheated purge gases**
- **Large dynamic range**
- **Heating rates up to 200°C/min**
- **Superior performance with rugged reliability**
- **24 bit high resolution with USB or RS232 interface**

DSC-L600 **SPECIFICATIONS**

Temperature Range	-150°C to 650°C
Temperature Accuracy	0.1°C
Temperature Precision	0.1°C
Noise	0.5 uW
Stability	< 1 mW ambient to 550°C
Heat Flux Plate Material	Chromel or Constantan
Sample and Reference Thermocouples	Type K
Furnace Thermocouples	Type K
PID Control	Dual PID control with USB Interface
Temperature Segments	10 segments each has 1 Ramp, 1 Isotherm, Gas switch
Program Rates	0.1 - 200°C/min
Software	Infinity Pro

DSC-L600 **ACCESSORIES**

INFINITY PRO SOFTWARE

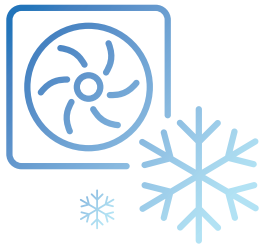


The Infinity Pro software is a powerful thermal analysis program which is flexible and easy to use. Today's thermal analyst will appreciate the tools incorporated into the software to analyze their materials.

FEATURES

- Windows based for easy operation
- Provides a cost effective upgrade using existing thermal analyzers
- Multiple Instrument operation
- Supports DSC, TGA analysis

- Wide range of cooling options
- Assortment of pans and crimping options
- Gas switching



Notes:

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Your local distributor

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