

# C-Therm Trident Thermal Conductivity

## Thermal conductivity and effusivity

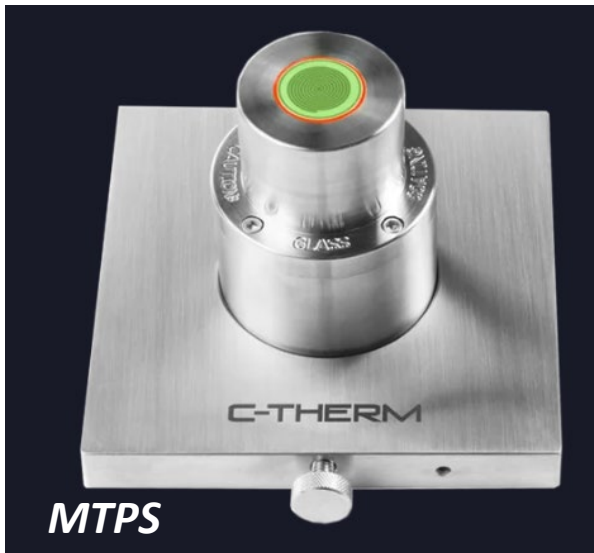
Need to know density and heat capacity (can do that with DSC)

Thermal conductivity range: 0 to 2000 W/mK

Samples: solids, liquids

Thickness and diameter is dependent on probe used

MTPS: Solid: min diameter 18 mm and thickness is typically 1 mm



Different methods and probes:

Modified transient plane source (MTPS) ASTM D7984

Transient line source (TLS Needle) IEEE 442-2017, ASTM D5334 and D5930

Transient plane source (TPS) Flex sensor ISO 22007-2