

Theta Industries, Inc.

26 Valley Road, Port Washington, NY 11050, USA

Phone: (516) 883-4088, Fax: (516) 883-4599

E-mail: theta@theta-us.com, Website: www.theta-us.com



Instrument Questionnaire for DTA TGA

Submitted by _____ Title _____ Dept. _____

Organization _____ Tel. _____ Ext. _____

Street _____ Fax _____

City _____ E-mail _____

State _____ Zip _____ Country _____

1 SPECIMEN TO BE MEASURED

- 1 g TGA DTA
- 10 g suspended 200µl standard
- 100 g or on a pan **Specimen size**

- 10-4 High Vacuum Protective gas
- 10-2 High Vacuum Air **Desired Specimen Environment**

- | | | |
|--------------------------------|---------------------------------|-------------------------------|
| HANGDOWN | TOP LOADER | |
| <input type="checkbox"/> 1 µg | <input type="checkbox"/> 10 µg | |
| <input type="checkbox"/> 10 µg | <input type="checkbox"/> 100 µg | Sensitivity of Balance |

2 PLANNED APPLICATIONS, PHENOMENA MATERIALS TO BE STUDIED FOR TOPLOADER

- Phase transformation
- Sintering of powder
- Firing of ceramic

- Carbon, Graphite
- Metal
- Ceramic
- Glass
- Composite
- Nuclear material
- Refractories
- Clay
- Plastic

- Educational
- Quality control

3 DESIRED INSTRUMENT CONFIGURATION

- DTA
- TGA
- DTA/TGA
- DTA/TGA, Dilatometer
- DTA/TGA, Dilatometer, Viscometer

- | | | | |
|------------------------------|------------------------------|-------------------------------------|-----------------------|
| <input type="checkbox"/> DTA | <input type="checkbox"/> TGA | <input type="checkbox"/> Hang down | |
| | | <input type="checkbox"/> Top Loader | |
| | | <input type="checkbox"/> DTA/TGA | Measuring Head |

- | | | |
|---|-----------------------------------|------------------------|
| <input type="checkbox"/> Fused Silica | <input type="checkbox"/> Graphite | |
| <input type="checkbox"/> Sintered Alumina | <input type="checkbox"/> Platinum | Specimen Holder |

- 500°C
- 1000°C
- 1600°C
- 1700°C
- 1800°C
- 2300°C **Furnace**

- | | | |
|---|---|--------------------|
| <input type="checkbox"/> Multi-segment standard | <input type="checkbox"/> Overtemperature Protection | |
| <input type="checkbox"/> Event switches | | Temp. Prog. |

- | | | |
|---|--|------------------------|
| <input type="checkbox"/> PC standard | | |
| <input type="checkbox"/> 32-bit Window standard | | Data Processing |

- Standard Reference Materials
- DTA
 - TGA
- Accessories Attachments**

Remarks _____

Date: _____ Signed: _____