

Photo Chemical Differential Scanning Calorimeter

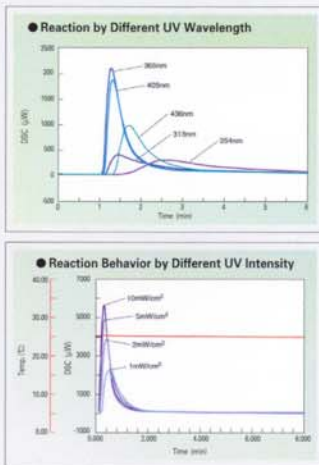
# PDC

PDC121 Photo Chemical Reaction DSC  
UV-1: Ultraviolet Irradiate Unit



EXSTAR series Thermal Analyzers

As innovators in developing photo chemical differential scanning calorimeter, SIINT provides the highest performance photochemical differential scanning calorimeter PDC121 to achieve the leading-edge R&D and routine QC/QA demanding on photo resistor and photo-sensitive resin research and analysis works. PDC121 equipped the high sensitivity and accuracy heat detector and light fiber and UV-1, which can be used with SIINT EXSTAR 6000 series DSC together as photochemical differential calorimeter provide you the confident to achieve fast, accuracy and reproducible measurement and analysis results.



**PDC Specification**

Model	PDC121	UV-1
Temperature Range	Ambient ~ 150°C	Ambient ~ 150°C
Measurement Range	+/-40mW	By DSC Measurement Range
Atmosphere	Air, Inert gas	
Lamp	Hg / Xe: 200W, Xe: 150W (Optional)	Hg/Xe: 200W
Wave Length Adjustment	By Filter	
Irradiation Intensity	Max. 500mW / cm <sup>2</sup>	Max. 100mW / cm <sup>2</sup>
Irradiation Intensity Adjustment	Adjustable ND Filter	Lamp Current Adjustable
Irradiation Time	0.1 sec ~ 100h	
Shutter Control	Auto Mode Manual Mode	Auto Mode Manual Mode

## Environment Control System

Humidity control units as optional accessories of TMA/SS, DMS and TG. DTA are available. Accessories for the measurement inside liquid of TMA/SS and DMS are available too. (USA Patent: 5669554)

- Humidity Control Measurement in Liquid TMA/SS**
- Humidity Control Measurement in Liquid DMS**
- Humidity Control TG/DTA**
- Environment Control Unit**
  - Humidity Control Unit
  - Measurement in liquid

