ACS Material Equipment Series

InSitu Pro™

AH1000 /AH1200

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I. Product Composition

1) Main Unit

Photo of AH1000/AH1200

II. Product Features

InSitu Pro™ AH1000 and AH1200 are designed for studying the temperature-dependent optical performance of samples. It can characterize the changes in the optical properties of samples with temperature. These models has a temperature control within the range of RT to 1200℃. The accompanying temperature control software on the host computer facilitates temperature setting and data acquisition. The provided Labview Vis/C# SDK allows customers to perform customized programming.

III. Product Specifications

InSitu Pro™ Ultra-High Temperature Heating Stage		
Model #	AH1000	AH1200
SKU#	EIAH1000	EIAH1200

Heating/ Cooling Method	Resistive heating	
Temperature Range	RT ~ 1000° C	RT~1200° C
Temperature Stability	±0.1℃	
Temperature Control Rate	Maximum heating rate: 150 °C/min; Natural cooling	
Sample Stage	Ceramic; 20 x 20 mm	
Optical Path	Reflective	
Top Window Size	ϕ25	
Window Material	quartz glass (transmission wavelength range: 220 nm–2500 nm), manually removable and replaceable	
Dist. From Top Window to Sample Stage Surface	7 mm	
Chamber Height	6 mm	
Chamber	Air	

Dimensions	95 x 160 x 24 mm
New Weight	0.8kg
Basic Configuration	1 x main unit, 1 x temperature controller, 1 x water circulation system, 1 x software