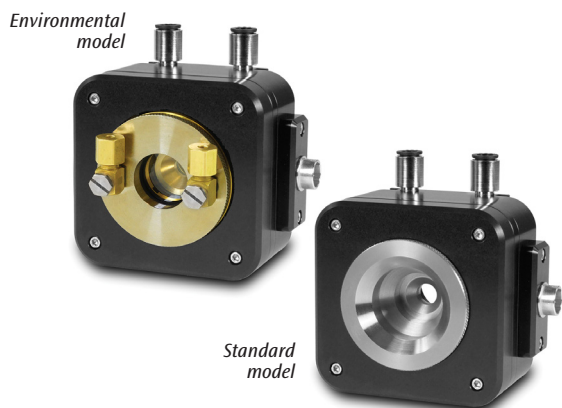


Heated Solid Transmission Accessory – Measurements of Optical Components and Polymers



Two models are available; standard and environmental. The environmental configuration features a sealed sample area. This creates an inert or reacting gas blanket around the sample making it an ideal accessory for glove box applications.


PIKE Technologies offers temperature controllers with digital and PC programmable set points with TempPRO software (sold separately). This allows for easily programmed temperature profiles and unattended data collection with most FTIR software platforms. The accessory requires a liquid recirculator to prevent overheating.

FEATURES

- Quick sample loading and unloading
- Selection of different size sample holders
- Wide temperature range – from ambient to 300 °C
- Environmentally enclosed configuration

The Heated Solid Transmission Accessory is designed to analyze solid samples at temperatures ranging from ambient to 300 °C. It supports a set of optional sample mounts able to hold samples from 12 to 30 mm in diameter and up to 3-mm thick. Sample loading is simple and does not require any tools. The accessory is equipped with a standard 2 x 3" slide that makes it easy to mount in all types of spectrometers and most spectrophotometers. The heating time from ambient temperature to 300 °C is 30 minutes.

SPECIFICATIONS

Cell Body	Aluminum
Mount	2 x 3" Slide Mount
Temperature Range	Ambient to 300 °C
Sample Thickness	3 mm max.
Dimensions (W x D x H)	77 x 51 x 93 mm
Cooling Requirements	
Coolant Temp	6 to 28 °C
Coolant Pressure	0.1–2 kgf/cm ²
Coolant Flow Rate	20–1000 mL/min
Temperature Controller	Touch-panel display with USB interface. PIKE TempPRO software (sold separately) for PC control with unlimited ramps and automated data collection.
	
Input	100–240 VAC auto-setting external power supply
Output	6A/24 VAC 150 W maximum
Controller Dimensions (W x D x H)	140 x 200 x 60 mm

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
112-1000	Heated Solid Transmission Accessory, standard
112-1100	Heated Solid Transmission Accessory, environmental

Note: Select at least one sample holder, which is specific to the configuration of the accessory – standard or environmental.

SAMPLE HOLDERS (must choose at least one)

PART NUMBER	DESCRIPTION
112-2010	12–15 mm Diameter Sample Holder, standard
112-2020	16–20 mm Diameter Sample Holder, standard
112-2030	21–25 mm Diameter Sample Holder, standard
112-2040	26–30 mm Diameter Sample Holder, standard
112-2110	12–15 mm Diameter Sample Holder, environmental
112-2120	16–20 mm Diameter Sample Holder, environmental
112-2130	21–25 mm Diameter Sample Holder, environmental

TEMPERATURE CONTROLLERS (must select one or more)

PART NUMBER	DESCRIPTION
076-1610	Digital Temperature Control Module
007-0207	PIKE TempPRO Software

Note: Digital Temperature Control Module is required. PIKE TempPRO software sold separately.

LIQUID RECIRCULATOR

PART NUMBER	DESCRIPTION
170-1100	Liquid Recirculator

25 x 2 mm WINDOWS

(must select two or more for environmental model only)

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
160-1306	BaF ₂	160-5086	SiO ₂
160-1212	CaF ₂	160-5122	SiO ₂ , Low OH
160-1305	KBr	160-1155	ZnSe
160-5213	Polyethylene		

Note: Find additional window selections starting on page 114.