Heated Liquid Sample Holder –
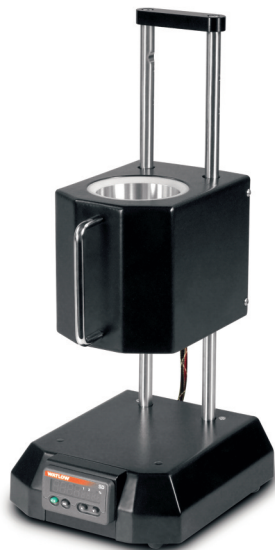## *Characterization of Liquids at Controlled Temperatures*

HEATED LIQUID SAMPLE HOLDER SPECIFICATIONS

Well Material	Aluminum
Well Capacity	156 mL
Temperature Range	Ambient to 130 °C
Accuracy	+/- 0.5%
Temperature Control	
Digital	+/- 0.5% of set point
Input Voltage	100–240 V, auto setting
Output Voltage	Variable 24 VDC/120 W max.
Dimensions (W x D x H)	140 x 190 x 330 mm
Weight	3.4 kg

ORDERING INFORMATION

Heated Liquid Sample Holder

PART NUMBER	DESCRIPTION
045-1100	Heated Liquid Sample Holder

Replacement Parts

PART NUMBER	DESCRIPTION
045-1106	Sample Cups (set of 6)

FEATURES OF THE HEATED LIQUID SAMPLE HOLDER

- *Simplified sampling and QC of oils and viscous liquids under prescribed temperatures*
- *Disposable sampling cups*
- *Temperature range – from ambient to 130 °C*
- *Integrated digital temperature control*
- *For mid-IR, NIR and UV-Vis fiber optic probes*

The PIKE Technologies Heated Liquid Sample Holder has been designed to provide a quick and easy way of analyzing a wide range of liquids at prescribed temperatures or a pre-programmed temperature ramp. The accessory features an open well with integrated heating coils and digital temperature controller located at its base. The sampling well can be fitted with molded cups – if disposable sampling is required.

Typical measurements are performed with fiber optic probes mounted in the well and connected to mid-IR, NIR or UV-Vis spectrometer – depending on application needs. The probe is firmly held in place while the heated sample is introduced by raising the heated cup body. This configuration provides enhanced measurement precision because energy is maintained through the constrained probe fibers.

The temperature range supported by the Heated Liquid Sample Holder spans from ambient to 130 °C. The accessory is most often used in analysis and quality control of oils and high-boiling liquid samples.

The temperature of the Heated Liquid Sample Holder is regulated by an integrated digital temperature controller.

Heated Liquid Sample Holder with Probe