

Peltier

Four-cuvette Peltier Sample Compartment

The four-cuvette Peliter-base sample compartment is for use with all of ISS spectrofluorometers and works from $-40\text{ }^{\circ}\text{C}$ to $+105\text{ }^{\circ}\text{C}$. The sample compartment comes with temperature controller, magnetic stir bar and tubing.

Specifications

Temperature

- Range of $-40\text{ }^{\circ}\text{C}$ to $+105\text{ }^{\circ}\text{C}$ *
- Precision of $\pm 0.02\text{ }^{\circ}\text{C}$

Optical Port Dimensions

- 12 mm x 10 mm
- Optical axis 8.5 mm

Cuvettes

- 12.5 mm x 12.5 mm O.D. standard

* Operation below the ambient dew point temperature requires dry gas purge. Operation below $-10\text{ }^{\circ}\text{C}$ requires dry gas purge and pre-cooled circulating fluid within $25\text{ }^{\circ}\text{C}$ of the desired temperature.

Accessories for Peltier

- Accessory post, a plastic post and support clip that may be inserted in the top of the sample compartment and used to hold tubes, probes and other hardware for special measurements.
- Cuvette adapters for 3x3, 4x4 and 5x5 cuvettes



Key Features

Rapid, precise control over an extended range of temperatures

Highly uniform temperature in each cuvette

Fully automated through ISS Vinci software package

Calibrated using a NIST-traceable thermometer

Complete package with compartment floor and utilities brought to the front panel

Variable speed magnetic stirring for each cuvette

Dry gas purge

Thermometer probe input

