

One-cuvette Peltier

FLUORESCENCE ACCESSORY

One-cuvette Peltier sample compartment

The one-cuvette Peltier-base sample compartment is for use with all of ISS spectrofluorometers. There are two versions on the one-cuvette sample compartment, the standard model which works from -40 °C to +105 °C and an extended range version that works from -40 °C to +150 °C. The sample compartment comes with temperature controller, magnetic stir bar and tubing.

Specifications

Temperature

- Range of -40 °C to +105 °C standard version*
- Range of -40 °C to +150 °C extended version
- Precision of ± 0.02 °C

Optical Port Dimensions

- 12 mm x 10 mm
- Optical Axis 8.5 mm

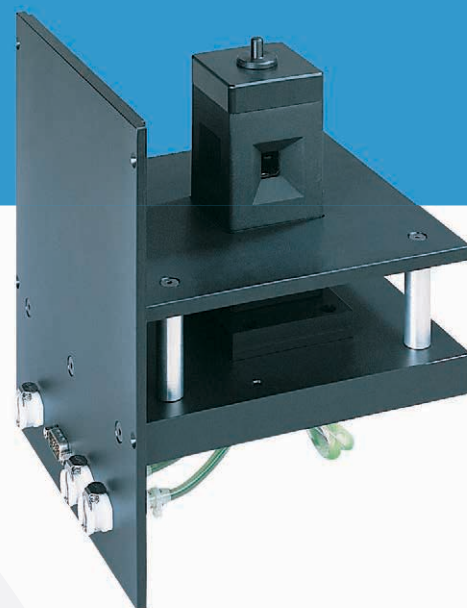
Cuvettes

- 12.5 mm x 12.5 mm O.D. standard

*Operation below the ambient dew point temperature requires dry gas purge. Operation below -10 °C requires dry gas purge and pre-cooled circulating fluid within 25 °C of the desired temperature. Operation below -25 °C requires the optional WJ-50 Windowed Jacket (see below), dry gas purge and pre-cooled circulating fluid. Temperatures may be controlled as low as -55 °C. Please contact ISS for information on achieving temperatures below -40 °C.

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
- Windowed jacket, a plastic cover for the sample compartment that holds four 1-inch diameter fused silica windows, permitting the passage of light which provides insulation and prevents condensation on the cuvette when operating at low temperatures.



Key Features

Rapid, precise control over an extended range of temperatures

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

Dry gas purge

Thermometer probe input

