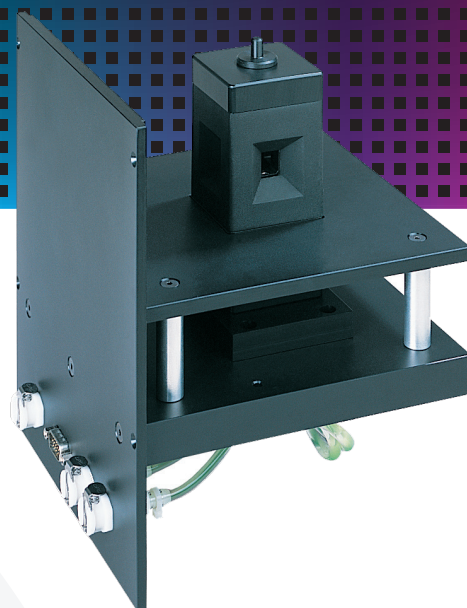


# Peltier

## 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  $\pm 0.02$  °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

