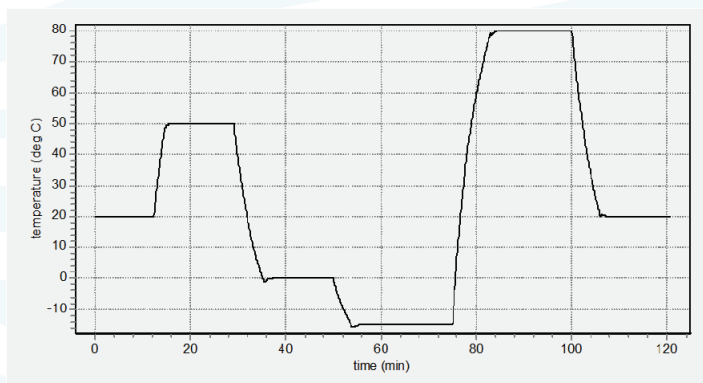


The TURRET 400/PQ is a Peltier-based, temperature-controlled, 4-position sample changer for use in a PicoQuant Fluorescence Lifetime Spectrometer.

- Rapid, precise control over an extended range of temperatures
- Highly uniform temperature in each cuvette
- Fully automated through the PicoQuant software package
- Calibrated using a NIST-traceable thermometer
- Variable speed magnetic stirring for each cuvette
- Dry gas purge
- Thermometer probe input
- TC 425 Temperature Controller included



Each unit is provided with a performance plot.

Specifications:

- Temperature Range* -25 °C to +105 °C
- Temperature Precision ± 0.02 °C
- Optical Port Dimensions 10 mm high x 10 mm wide
- Probes Accepted Series 400 or Series 500
- Cuvettes Accepted:
 - Standard Cuvette Size 12.5 mm x 12.5 mm O.D.
 - Cuvette Adapters Available 3x3 mm², 4x4 mm², 5x5 mm²
 - Microcuvette z Height 8.5 mm (special order 15 mm)

* 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.

Components included in each purchase

- TURRET 400 Cuvette Holder
- TC 425 Temperature Controller
- Performance Plot and Calibration Data
- Magnetic Stir Bars, Tubing, Cables, Optical Slits, Opaque Lid



TC 425 Temperature Controller

Optional Components available

- APOST-4 Accessory Post
APOST-4 is a plastic post and support clip that may be inserted in the center of the top of the TURRET 400 and used to hold tubes, probes and other hardware for special measurements.
- ADPT 3x3, ADPT 4x4, ADPT 5x5 Cuvette Adapters
Cuvette adapters permit the use of small square cuvettes.
- T-App Temperature Application Software
T-App permits external computer control of the TC 425 Temperature Controller, plotting cuvette holder or probe temperatures vs. time, and enabling programming for functions such as temperature ramping.
- BATH 100 Circulator
The BATH 100 Circulator is a submersible pump, bucket, tubing and fittings used to circulate water or other fluid through the Peltier heat exchanger to draw out heat when the temperature is lowered.

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