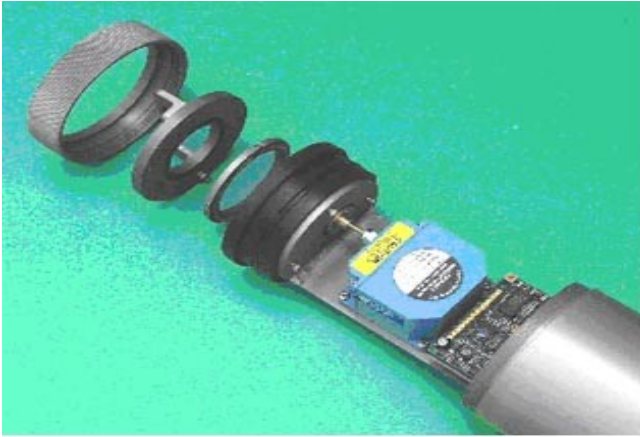


# GTD PRO



The GTD-Pro Standard Model was the first instrument designed by Pro-Oceanus Systems and is designed for use:

- In laboratories
- On moorings and
- Aboard ships in underway mode

The specifications of the PSI GTD-Pro are provided on this page.

## **PSI Standard GTD-Pro Features:**

- Exceptional precision and accuracy
- User friendly set-up and operation
- RS-232/485 communications interface
- Compatible with Sea-Bird Electronics CTD's (please contact PSI for models supported)
- Low power requirements
- Light weight and compact size
- Hard anodized aluminum housing
- Shipped in high-impact carrying case

## **Special Order Options**

- Pumped Delrin plenum for flat interface: reduces the thickness of the water-side mass transfer boundary layer and reduces the time constant for equilibration. Note that a source of water flow is required at 3 to 10 liters per minute (optional Sea-Bird 5-T pump at 3000 RPM available from Pro-Oceanus Systems Inc. or Sea-Bird Electronics, Inc.). Time constant,  $\tau = 10$  minutes depending on flow rate.
- Tubular pumped fast interface: alternate fast interface for our standard PSI GTD-Pro. Note that a source of water flow is required at 3 to 10 liters per minute (optional Sea-Bird 5-T pump available from Pro-Oceanus Systems Inc. or Sea-Bird Electronics, Inc.).  $\tau = 3$  minutes depending on flow rate.

## Specifications

### Physical Specifications

Length: 12.5 in. (31.8 cm)  
Diameter: 4.5 in. (11.4 cm)  
Weight (air): 15.5 lbs. (7 kg)  
7.436 lbs. (3.38 kg)  
Weight (water):

### Performance

- Accuracy: <0.02 mb per year drift from calibration
- Precision: 0.002 mb
- Gas tension limits:
  - Min: 800 mb
  - Max: 2000 mb with our standard pressure sensor

### Electrical Characteristics

- Input voltage: 9-16 Volts DC
- Power Consumption:
  - While measuring: 0.8 Watts (67 ma at 12 volts)
  - While sampling at 30 minute intervals: 27 mW overall