



SBE 41 Argo CTD

Product #:

SBE41CTDMODULE

USD Price:
Available

Contact Sea-Bird

Autonomous profiling CTD for Argo and other programs

The Sea-Bird SBE 41/41CP Argo CTD module was developed in response to the scientific need for highly stable and accurate temperature and salinity on profiling floats. The standard CTD for Argo floats, the SBE 41/41CP have helped provide an unprecedented amount of data since the creation of the Argo program.

As the global distribution of profiling floats expands and more floats enter the water, Sea-Bird has built upon the capabilities of the 41/41CP. Today, float CTDs can house new and improved sensors with flexible integration options for various float platforms.

Features

- Shipped fully calibrated, with demonstrated excellent long-term stability, eliminating the need for post-deployment tampering of the calibration to force agreement with the local TS.
- Carefully engineered antifouling protection, with antifouling devices, a U-shaped flow path, and a pump.
- Proven TC-ducted flow over the temperature sensor and into the conductivity sensor. Salinity spiking is minimized because the TC-duct and pump precisely coordinate the T and C responses.
- Premium strain-gauge pressure sensor has thermistor correction for ambient temperature effects.

Designed for long term deployments

The SBE 41/41CP has carefully engineered anti-foul protection, with anti-foulant devices, a U-shaped flow path, and a pump.

Data Quality

The SBE 41/41CP has proven TC-Ducted flow over the temperature sensor and into the conductivity sensor. Salinity spiking is minimized because the TC-Duct and pump precisely coordinate the T and C responses.

Standard Float CTD

Satisfies 90% of the annual Argo program requirement as well as a growing market in non-Argo float applications.

Specifications

Conductivity Accuracy:	± 0.0003 S/m (± 0.0035 psu)
Conductivity Typical Stability:	0.0003 S/m/month (0.0011 psu per year)

Pressure Initial Accuracy:	± 2 dbar
Pressure Typical Stability:	0.8 dbar per year
Temperature Accuracy:	± 0.002 °C
Temperature Stability:	0.0002 °C per year