



SBE 37 SI with Titanium Housing, 7000 dbar Pressure Sensor, MCBH Connector, RS-232, No Oxygen Sensor

Product #: 37SI.38200S
USD Price: Contact Sea-Bird

Moored Conductivity, Temperature, and Pressure (optional) measurements, at user-programmable intervals. RS-232 or RS-485 interface and internal memory; external power.

The SBE 37-SI MicroCAT is a high-accuracy conductivity and temperature (pressure optional) recorder with Serial interface (RS-232 or RS-485) and memory. Externally powered, it can be used for moored applications requiring fast sampling. The MicroCAT is useful as a stand-alone monitoring device and is easily integrated with other instrumentation platforms.

Data is output in real-time and can be recorded in memory; memory capacity exceeds 530,000 samples. Measured data and derived variables (salinity, sound velocity, depth, density) are output in engineering units.

Moored Conductivity, Temperature, and (optional) Pressure measurements, at user-programmable intervals. RS-232 or RS-485 interface and internal memory.

Optimal Moored CTD

Moored Conductivity, Temperature, and Pressure (optional), at user-programmable 6-sec to 6-hour intervals.

Flexible Deployment Options

Internal memory and external power.

Specifications

Communication:	RS-232
Conductivity Accuracy:	± 0.0003 S/m (0.003 mS/cm)
Conductivity Measurement Range:	0 - 7 S/m (0 - 70 mS/cm)
Conductivity resolution:	0.00001 S/m (0.0001 mS/cm)
Conductivity Typical Stability:	0.0003 S/m (0.003 mS/cm) per month
Connector:	MCBH
Dissolved Oxygen Accuracy:	N/A
Dissolved Oxygen Range:	N/A
Dissolved Oxygen Resolution:	N/A
Dissolved Oxygen Typical Stability:	N/A
Housing Material:	Titanium
Power input:	0.5 Amps at 8.5 - 24 VDC
Pressure Initial Accuracy:	$\pm 0.1\%$ of full scale range
Pressure Resolution:	0.002% of full scale range

Pressure Sensor/Range:	7000 dbar Pressure Sensor
PressureTypical Stability:	0.05% of full scale range per year
Pumps:	No
Sensors:	No Oxygen Sensor
Temperature Accuracy:	± 0.002 °C (-5 to +35 °C); ± 0.01 (+35 to +45 °C)
Temperature Range:	-5 to +45 °C
Temperature Resolution:	0.0001 °C
Temperature Stability:	0.0002 °C per month