# SEA·BIRD SCIENTIFIC

# SBE 39plus with Plastic Housing, No Pressure Sensor, MCBH Connector, Internal Thermistor

**Product #:** 39P.10210S

USD Price: Contact Sea-Bird

**Temperature and (optional) Pressure, at user-programmable intervals. Internal memory and battery pack, RS-232 and USB interface. Configurations with internal or external thermistor, external connector, pressure.**

The SBE 39plus is a high-accuracy, fast-sampling temperature (pressure optional) recorder with USB interface, internal batteries, and memory. The 39plus is designed for moorings or other long-duration, fixed-site deployments, as well as deployments on nets, towed vehicles, or ROVs.

Data is recorded in memory and can also be output in real-time. Measured data are output in engineering units. Memory capacity exceeds 9.5 million samples without pressure, or 5.5 million samples with pressure. Sampling every 0.5 sec, this yields approximately 55 days of data without pressure or 32 days with pressure (battery endurance exceeds memory capacity).

**Flexible Sampling Options**
Temperature, Pressure (optional), and time, at user-programmable 0.5-sec to 6-hour intervals.

**Multiple Communication Options**
Internal USB interface (open housing and plug in cable for setup and fast data upload); plus RS-232 interface (through external connector).

**Power and Memory**
Internal memory and battery pack (can be powered through external connector).

**Data Quality**
Rigorous 11-point temperature calibration of each sensor. Aged and pressure-protected thermistor has a long history of exceptional accuracy and stability.

## Specifications

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| Connector: | MCBH |
| Data Memory: | 5.5 million samples |
| Housing Material: | Plastic |
| Pressure Initial Accuracy: | N/A |
| Pressure Resolution: | N/A |
| Pressure Sensor/Range: | No Pressure Sensor |
| PressureTypical Stability: | N/A |
| Temperature Accuracy: | ± 0.002 (-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 |

Thermistor:                     Internal