SBE 39plus-IM with Titanium Housing, No Pressure Sensor, Inductive Modem, External Thermistor

Product #: **39P-IM.30000S**

USD Price: Contact Sea-Bird

Moored Temperature and (optional) Pressure, at user-programmable intervals. Internal memory and battery, Inductive Modem (IM) interface.

The SBE 39plus-IM is a high-accuracy, fast-sampling temperature (pressure optional) recorder with integrated Inductive Modem (IM) interface, internal batteries, and memory. The 39plus-IM is designed for long-duration deployments on moorings.

Data is recorded in memory and can be transmitted when polled through Inductive Modem telemetry. Measured data are output in engineering units. Memory capacity exceeds 9.5 million samples without pressure, or 5.5 million samples with pressure. Battery endurance varies, depending on the sampling scheme, but the 39plus-IM is usually limited by its memory capacity. Sampling every 7 seconds (without pressure) or 12 seconds (with pressure), the 39plus-IM can be deployed for 2 years.

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

Connector:	Inductive Modem
Data Memory:	5.5 million samples
Housing Material:	Titanium
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:	External