



UIMM (Underwater Inductive Modem Module)

Product #:

UIMM

USD Price:

Contact Sea-Bird

The Underwater Inductive Modem Module (UIMM) provides a quick way for system integrators and instrument/sensor manufacturers to adapt new or pre-existing RS-232 instruments, such as acoustic current meters, Doppler profilers, optical sensors, etc., for integration with real-time moorings using Sea-Bird's Inductive Modem (IM) telemetry. The UIMM is simply an Inductive Modem Module (IMM) housed in a pressure case and incorporating an integral inductive coupler and cable clamp. It is designed to be cable-connected to an RS-232 serial instrument, and then clamped to the jacketed mooring wire.

The UIMM can also be used as a substitute for an IMM (housed inside a buoy) and an Inductive Cable Coupler (ICC); it receives inductive communications from other underwater IM devices and sends the data via RS-232 to the surface buoy (or bottom junction in a cabled observatory). The IMM is user-configured via RS-232 to send and receive commands to control the serial instrument and receive or retrieve data. Through its 4-pin connector, the UIMM communicates with the RS-232 instrument and consumes a small amount of power from it.