

SBE 14

Remote Depth Readout

The SBE 14 Remote Depth Readout provides a visual display of CTD depth (meters), pressure (decibars), and/or altitude (meters, if altimeter installed on CTD). The large, four-digit liquid crystal display is easy to read, even in direct sunlight. The rugged, spray-proof package is suitable for mounting at the winch operator's position.

To prevent accidental contact with the sea bottom or over-pressuring of the CTD, a loud alarm sounds upon reaching the user-programmed CTD pressure or altimeter limit. It can be programmed to sound again when the depth diminishes to near-surface pressure, alerting the winch operator that the CTD is near the surface.



Features

- Rugged, fiberglass-reinforced polyester housing (20x12x8 cm); spray-proof packaging with gasket seals throughout.
- 2.5 cm, four-digit liquid crystal display, reads to nearest meter, and easy to read even in direct sunlight.
- Loud, persistent alarm: 90 dbA at 0.5 m.
- RS-232C interface; operates over cables up to 100 m long (100 m of neoprene-jacketed cable included).
- Connects to computer for operation with most Sea-Bird CTDs, or directly to SBE 11plus V2 Deck Unit for operation with SBE 9plus CTD.
- Seasoft® V2 Windows software package (setup, real-time data acquisition).
- Five-year limited warranty.

Operation

The SBE 14 operates in one of the following modes:

- **Connect to computer** – The SBE 14 is powered by an RS-232 port on the user's computer and controlled via Seasave (real-time data acquisition software). The computer must have an extra serial port to accommodate the SBE 14, in addition to port(s) needed for the CTD and, if applicable, a Sea-Bird Water Sampler. In this mode, the SBE 14 can be used with a number of Sea-Bird CTDs, including the SBE 9plus (with SBE 11plus Deck Unit – V1 or V2), SBE 19, 19plus, 19plus V2, 25, or 49. The SBE 14 alarm can be programmed to sound based on input from a bottom contact switch integrated with the CTD, in addition to the pressure and altimeter alarm operation.
- **Connect to SBE 11plus V2 Deck Unit** (EPROM version ≥ 5.0) for use with SBE 9plus CTD – The SBE 14 is powered and controlled by the SBE 11plus V2. An extra RS-232 port is not needed (the 11plus V2 requires one serial port or GPIB parallel port for data, and, if applicable, one serial port for communication with an SBE 32 Water Sampler).

Options

- Cable for interface to SBE 11plus V2 Deck Unit or to computer COM port.