

DESCRIPTION

The SBE 14 Remote Depth Readout provides a visual display of CTD depth (meters), pressure (decibars), or altitude (meters, if an altimeter is installed on CTD). The large, four-digit liquid crystal display is easy to read, even in direct sunlight. The SBE 14 is housed in a rugged, spray-proof package 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, audible alarm is sounded upon reaching the user-programmed pressure or altimeter limit. The alarm can be programmed to sound again when the depth diminishes to a near-surface pressure, alerting the winch operator that the CTD is nearing the surface.

The SBE 14 is operated in one of the following modes:

- **Connected directly to the computer** - The SBE 14 is powered by a standard RS-232C serial port on the user's computer, and is controlled via Seasave (our real-time data acquisition software). The computer must have an extra serial port to accommodate the SBE 14, in addition to the port(s) needed for the CTD and, if applicable, a Water Sampler (SBE 32 Carousel Water Sampler or SBE 55 ECO Water Sampler *). In this mode, the SBE 14 can be used with a number of Sea-Bird CTDs, including the SBE *9plus* (with an SBE *11plus* Deck Unit – original 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 alarm operation described above.
* Note: The SBE 55 ECO Water Sampler is not compatible with the SBE *9plus* CTD.
- **Connected directly to an SBE *11plus* V2 Deck Unit (EPROM version 5.0 or greater) for use with an SBE *9plus* CTD** – The SBE 14 is powered and controlled by the SBE *11plus* V2. An extra RS-232C serial 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 Carousel Water Sampler).



FEATURES

- Rugged, fiberglass-reinforced polyester housing
- Spray-proof packaging with gasket seals throughout
- Large, 2.5 cm (1 in.) liquid crystal display is easy to read even in direct sunlight
- 4-digit display reads to nearest meter
- Loud, persistent alarm: 90 dbA at 0.5 meters (1.6 ft)
- Can be operated over cables up to 100 meters long (100 meters of neoprene-jacketed cable included)
- Supported by Seasave V7 real-time data acquisition software, which is a component of SEASOFT® V2 (our complete Win 2000/XP software package)
- Simple RS-232C interface
- Small, convenient size: approximately 20 x 12 x 8 cm (8 x 5 x 3 inches)