

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, SBE 32 Carousel Water Sampler. In this mode, the SBE 14 can be used with a number of Sea-Bird CTDs, including the SBE 9*plus* (with an SBE 11*plus* Deck Unit), SBE 19*plus*, SBE 25, and SBE 49.
- **Connected directly to an SBE 11*plus* V2 Deck Unit (EPROM version 5.0 or greater) for use with an SBE 9*plus* CTD** – The SBE 14 is powered and controlled by the SBE 11*plus* V2. An extra RS-232C serial port is not needed (the 11*plus* V2 requires one serial port or GPIB parallel port for data, and, if applicable, one serial port for communication with the 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 real-time data acquisition software, which is a component of SEASOFT®-Win32 (our complete Win 95/98/NT/2000/XP software package)
- Simple RS-232C interface
- Small, convenient size: approximately 20 x 12 x 8 cm (8 x 5 x 3 inches)