

DESCRIPTION

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

To prevent accidental contact with the sea bottom, or over-pressuring of the CTD, a loud, audible alarm is sounded upon reaching the pressure limit entered into the "alarm set-up parameters" menu in SEASOFT. The alarm can be made to sound again when the depth diminishes to a near-surface pressure, thereby alerting the winch operator that the CTD is nearing the surface.

The SBE 14 is powered by a standard RS-232C port on the user's computer, and is controlled via SEASOFT in conjunction with real-time data acquisition. Typically, the CTD data acquisition computer will require two RS-232 serial ports and one GPIB parallel port, or three RS-232 serial ports. D data acquisition can be done via one serial port (e.g., COM 1), or a GPIB parallel port. The SBE 14 and the SBE 32 Carousel Water sampler may each require one serial port (e.g., COM 2 and COM 3).

FEATURES

- Rugged, fiberglass-reinforced polyester housing
- Spray-proof packaging with gasket seals throughout
- Large (2.5 cm) 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
- May be operated over cables up to 100 meters long (100 meters of neoprene jacketed cable is included)
- Directly supported by SEASOFT software
- Simple RS-232C interface
- Small, convenient size approximately 8 x 5 x 3 inches (20 x 12 x 8 cm)