

SBE 32 Carousel Water Sampler

The SBE 32 Carousel Water Sampler has been extensively deployed throughout the world's oceans, where it has built a reputation for reliability and ease of use. With an accessory Deck Unit, the Carousel provides water sampling and real-time CTD data acquisition with any Sea-Bird profiling CTD (requires electro-mechanical cable and slip-ring equipped winch). With an accessory underwater unit, the Carousel can operate autonomously with a Sea-Bird profiling CTD and can be programmed to close bottles at selected depths, allowing deployment using non-electrical wire or line.

The Carousel is available in three models:

- Full-size SBE 32 for a 12 or 24-position system (36-position custom).
- Compact SBE 32C for a 12-position sampler with bottles up to 8 liters, for use with limited vertical clearance.
- Sub-Compact SBE 32SC for a 12-position sampler with 1.7 or 2.5-liter bottles, providing a small but full-featured system suited to operation from small boats. (SBE 9plus CTD not compatible with SBE 32SC).

Features

- 12, 24, or 36 bottles ranging from 1.7 to 30 liters.
- Easy integration with any Sea-Bird profiling CTD.
- Autonomous (pre-programmed) or real-time data acquisition and water sampling; bottle firing in any order.
- Depths to 6800 m (aluminum) or 7000 m (titanium).
- Seasoft® V2 Windows software package (setup, data upload, real-time data acquisition and keyboard control of bottle firing, data processing).
- Five-year limited warranty.

Components

- Electronics/release pylon with mounting hub, adapter plates, lifting bail, and guard frame; full-size Carousel includes extension stand for mounting CTD below Carousel frame.
- Bottles, accessory Deck Unit (for real-time operation) or underwater unit (for autonomous operation), CTD mounting brackets and interface cable, and auxiliary sensors are ordered separately.



Full-size, 12-bottle SBE 32 Carousel Water Sampler with Extension Stand for CTD

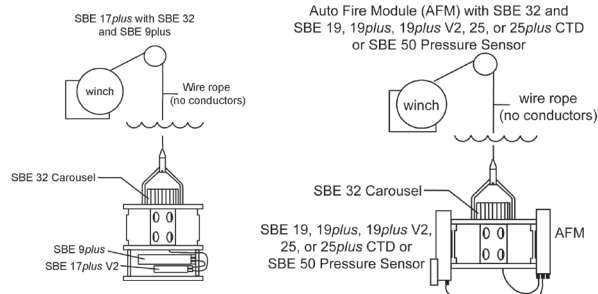


Autonomous Operation

(no electromechanical cable required)

An accessory underwater unit provides power to and programmable control of the water sampler:

- SBE 17plus V2 Searam for use with SBE 9plus CTD; also provides power and memory for the CTD.
- Auto Fire Module (AFM) for use with other Sea-Bird CTDs.

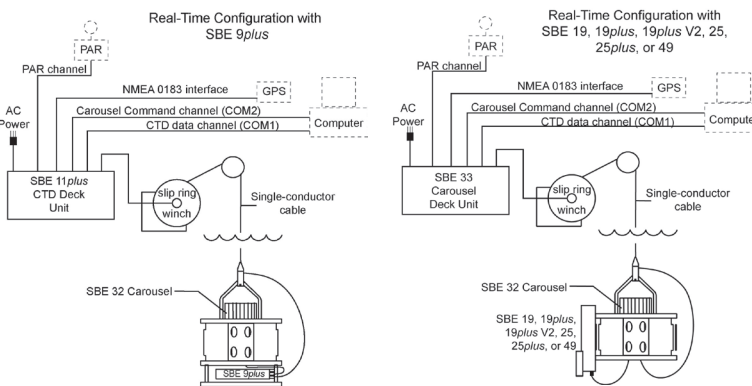


Real-Time Operation

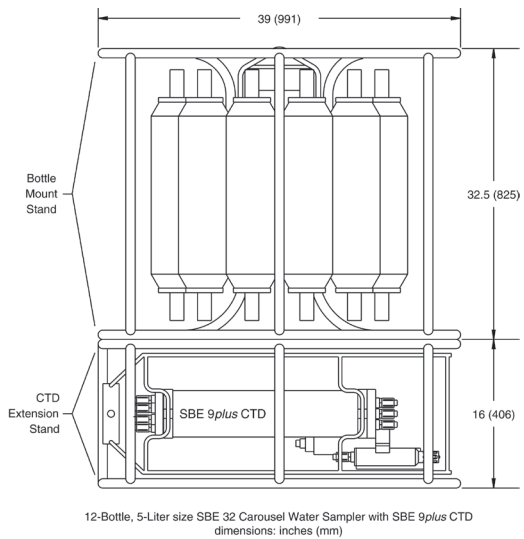
(via electromechanical cable)

Connect an accessory Deck Unit to AC power and the winch slip rings to enable real-time CTD data acquisition and water sampler control from your computer keyboard or Deck Unit panel controls:

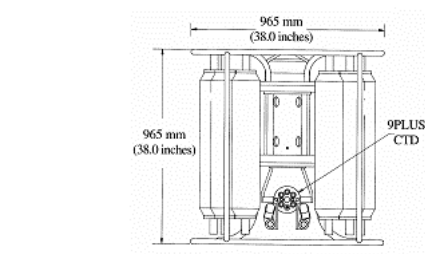
- SBE 11plus Deck Unit for use with SBE 9plus CTD.
- SBE 33 Deck Unit for use with other Sea-Bird CTDs.



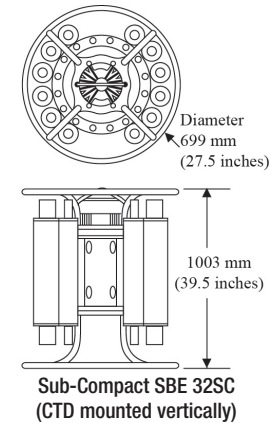
32 Full Size	Diameter	Overall Height ¹	Dry Weight ²
12-bottle, 1.2 or 1.7 L	991 mm	1201 mm	68 kg
12-bottle, 2.5 L	991 mm	1438 mm	79 kg
12-bottle, 5 L	991 mm	1234 mm	78 kg
12-bottle, 8 L	991 mm	1438 mm	79 kg
12-bottle, 10 L	991 mm	1603 mm	82 kg
12-bottle, 12 L	991 mm	1730 mm	83 kg
12-bottle, 20 L	1550 mm	1504 mm	185 kg
12-bottle, 30 L	1550 mm	1786 mm	199 kg
24-bottle, 1.2 or 1.7 L	1143 mm	1214 mm	95 kg
24-bottle, 2.5 L	1143 mm	1417 mm	106 kg
24-bottle, 5 L	1550 mm	1300 mm	179 kg
24-bottle, 8 L	1550 mm	1506 mm	185 kg
24-bottle, 10 L	1550 mm	1659 mm	194 kg
24-bottle, 12 L	1550 mm	1786 mm	199 kg
32C Compact			
12-bottle, 1.2 to 8 L	966 mm	978 mm	68 kg
32SC Sub-Compact			
12-bottle, 2.5 L	699 mm	1003 mm	52 kg



Full-Size SBE 32 (12-bottle, 5-liter with SBE 9plus shown; mounting for other CTDs similar)



Compact SBE 32C (SBE 9plus shown; other CTDs mounted vertically)



Sub-Compact SBE 32SC (CTD mounted vertically)

¹ Overall height = bottle mount stand + CTD extension stand (if applicable) + height of lifting bail above bottle mount stand (~8 mm). Height does not include optional deck pads.
² Dry weight (no CTD or bottles).
³ Frame parts: 25.4 mm diameter for full-size SBE 32 12-bottle through 12 L & 24-bottle through 2.5 L, & all SBE 32C & SBE 32SC. 34.9 mm diameter for full-size SBE 32 12-bottle larger than 12 L & 24-bottle larger than 2.5 L.

Depth Rating	6800 or 7000 m
Materials	anodized aluminum, stainless steel, titanium, Delrin, PVC
Winch Cable Compatibility	Single or multi-core armored cable up to 10,000 m long with inner core resistance of 0 - 350 ohms

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