



**GENERAL
OCEANICS**

1295 N.W. 163rd Street

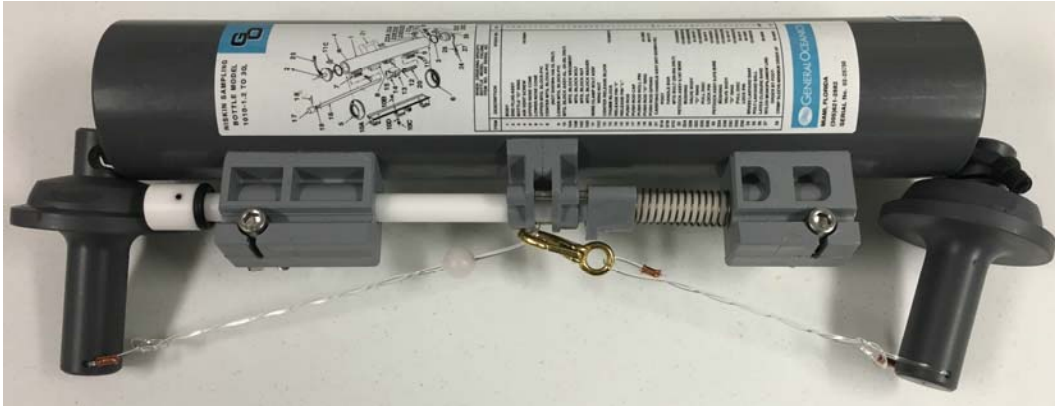
Miami, FL 33169

(305)621-2882

www.generaloceanics.com

sales@generaloceanics.com

MODEL 1010 NISKIN WATER SAMPLING BOTTLES



Non-metallic free-flushing sampling bottles activated by GO Devil Messenger (1000-MG) when individually or serially attached to hydrocable. Sequential closure by remote command with model 1015 or 1018 Rosette multibottle array.

SPECIFICATIONS:

Sizes - Available in 1.2L, 1.7L, 2.5L, 5L, 8L, 10L, 12L, 20L and 30L capacities.

Materials - PVC housing, end stoppers, handles (on 5L-30L sizes), cable clamp blocks (aluminum on 20 and 30L). Delrin push rod, air vent screw and petcock. Stainless steel wire clamp bolts and wing nuts.

End stopper closure band of latex tubing. Buna-N O-ring seals. Nylon monofilament lanyards with brass snap hook. Maximum working temperature is 60°C (140°F).

End closure - Stopper with spherical section sealing surface held firmly against O-ring seal by internal latex tubing.

Drainage - Air vent thumbscrew at top, petcock near base (.173" orifice). 20L and 30L bottles equipped with second petcock (.375" orifice) for rapid drainage.

Mounting - All bottles will accept wire up to 1/4" (6.35mm).

STANDARD ORDER includes bottle, wire clamp bolts with wing nuts, latex tubing and wire mounting lanyards. Specify size when ordering. GO-Devil Messenger ordered separately.

AVAILABLE OPTIONS:

Viton O-rings

Teflon coating

Special wire clamp bolts and mounting blocks for oversize wire

Teflon air vent screw and petcock

Stainless steel end stopper spring with Teflon or epoxy coating

Plastic snap hook

Storage racks

Borehole cages for sampling in arctic areas

Consult General Oceanics for special requirements.

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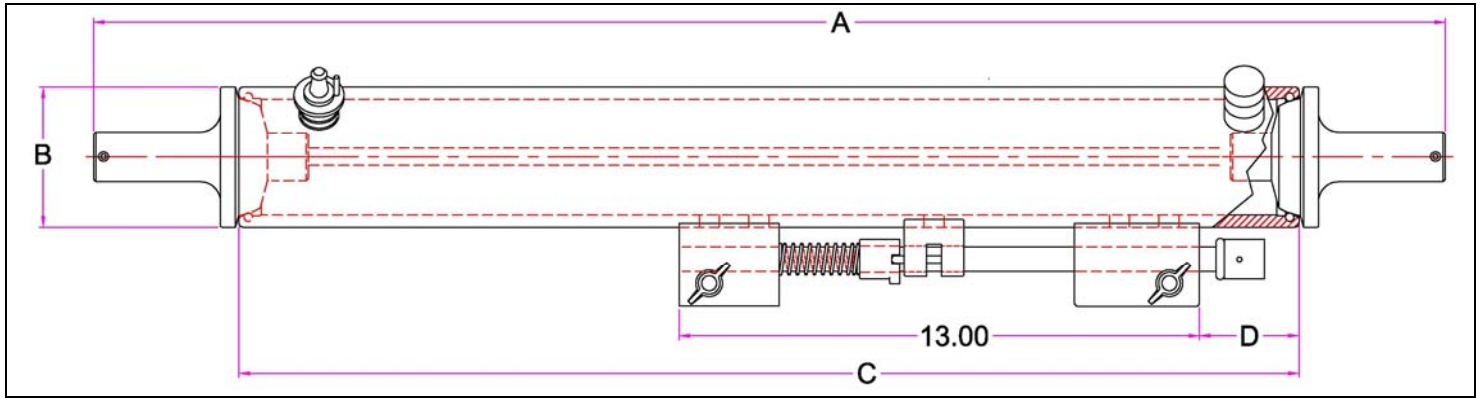
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MODEL 1010 NISKIN DIMENSIONS AND WEIGHTS



		1.2L	1.7L	2.5L	5L	8L	10L	12L	20L	30L
A	in	30.0	25.0	33.5	27.2	35.2	41.8	47.9	35.6	46.4
	mm	762	633	851	692	895	1060	1216	905	1178
B	in	2.38	3.5	3.5	5.56	5.56	5.56	5.56	8.63	8.63
	mm	61	89	89	142	142	142	142	218	218
C	in	28.5	18.0	26.5	18.0	26.0	32.5	39.0	25.2	36.0
	mm	724	457	673	457	660	826	991	641	914
D	in	8.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	mm	216	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
Empty weight	lbs	4.5	5.5	6.5	8.0	10.0	12.5	13.5	25.0	28.0
	Kg	2.0	2.5	3.0	3.6	4.5	5.7	6.1	11.4	12.7
Full weight	lbs	7.1	9.2	12.1	19.0	27.6	34.5	39.9	69.0	94.1
	Kg	3.24	4.20	5.50	8.63	12.5	15.7	18.1	31.4	42.7

SPARES/REPAIR KITS:

Bottle repair kits (including end stoppers, hardware, PVC cement), O-ring kits, Maintenance Program MRP-2 available. Consult General Oceanics for details.

OTHER TYPES OF BOTTLES AVAILABLE:

- 1010X - External spring Niskin bottle
- 1010H - Horizontal bottle (Niskin or external spring type) with center release block
- 1010V - Vertical wire mounting assembly for Niskin bottle
- 1010C - Convertible bottle with removable release plate for horizontal or vertical deployment
- 1010R - Niskin bottle with reversing thermometer mounting rack (thermometers no longer available)
- 1010PC - Niskin bottle with clear polycarbonate housing
- 1010-ROV - Niskin bottle with pull trigger for remote actuation by ROV

Consult General Oceanics for additional requirements.

For prices and delivery please e-mail sales@generaloceanics.com.
 Technical data subject to change without notice.

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