



General Oceanics, Inc.

Model 1010H Series

Horizontal Niskin Water Sampling Bottle



INTRODUCTION

The 1010H Horizontal Niskin Water Sampler is designed to collect discrete water samples at any depth. It is ideal for thin-layer stratification or near bottom sampling.

DESCRIPTION

The Model 1010H Horizontal Niskin Water Sampler is a non-metallic, free-flushing sampling bottle activated by a GO Devil messenger when attached to a cable/rope. The unique end stopper release mechanism allows the sampling bottle to be used in the horizontal position. The lowering line passes through the push-rod (release) cap to insure trouble-free activation by the messenger.

SPECIFICATIONS

Mounting: A cable clamp on the bottles is for cable/rope diameters up to and including 1/4 inch (6.4mm).

Material: Non-metallic construction of PVC pipe (gray or white, specify when ordering), end stoppers, handles (on 5-12L) and release mechanism. Delrin stopcock and air vent screw, ABS push rod and push rod cap. Stainless steel push rod return spring, cable clamps and fasteners. End stopper closure band of latex tubing (Teflon coated springs optional). Buna-N O-ring seals (other materials available). Nylon monofilament lanyards.

End Closure: Stoppers with spherical section sealing surfaces held firmly against O-ring seals by internal latex tubing. Optional: Stainless steel spring with teflon or epoxy coatings.

Drainage: Thumbscrew air vent at top. Stopcock at base, 4.4mm orifice (.173").

Sizes: 1.7, 2.2, 2.5, 5.0, 8.0, 10, or 12 liter capacity.

STANDARD ORDER Standard order includes bottle with wire clamp bolt for attachment on cable/rope. Order messenger, and marked or unmarked deployment line separately. Order teflon coating separately. Latex tubing is the standard bottle-closing mechanism. Stainless steel spring may be ordered with teflon or epoxy coating.

COMPONENTS AND ACCESSORIES

GO DEVIL MESSENGERS

Model 1000MG Can be used with a wide variety of underwater instruments requiring MESSENGER activation. The 1000MG Snaps on cable/rope with one hand. Accommodates cables up to 1/4 inch (6.4mm). The slot may be enlarged to 3/8 inch as a special order. The housing is made of cast bronze, or stainless steel (specify when ordering) with stainless steel latch shaft and spring. Teflon coating is available. Weight: 1.9 lbs. (.88kg). Height: 2.5 inches (6.3cm) Diameter 2 inches (5.1cm).

Model S1000MG

The S1000MG stainless steel simple go devil, accommodates cables up to 1/4 inch (6.4mm). Weight: 11oz, Diameter 1-1/2 inch (3.8cm), Height: 1-1/2 inch (3.8cm).

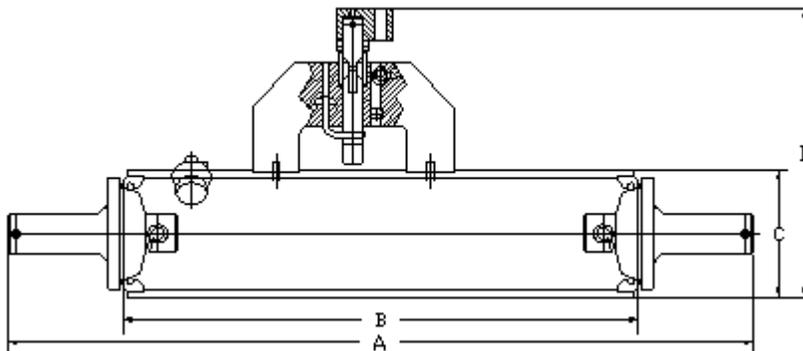
Model 1000MG



Model S1000MG



REPAIR KIT: Model S1010KAA containing end plug, stopcock assembly, air vent screw, 2 cable clamps, latex tubing, PVC cement, O-rings, 2 stainless steel clamps, brass snap, micropress clamps and miscellaneous hardware. Specify bottle capacity when ordering kit. O-ring kits available. Other parts and assemblies also available.



Capacity (Liters)	A (inch)	B (inch)	C (inch)	D (inch)	Empty Weight (lb)	Full Weight (lb)
1.7	25.00 (633mm)	18.00 (457mm)	3.50 (89mm)	8.62 (219mm)	5.5 (2.5kg)	9.2 (4.2kg)
2.2	21.18 (538mm)	13.90 (353mm)	4.50 (114mm)	9.12 (232mm)	5.05 (2.3kg)	9.9 (4.5kg)
2.5	33.50 (851mm)	26.50 (673mm)	3.50 (89mm)	8.62 (219mm)	6.5 (3.0kg)	12.1 (5.5kg)
5.0	27.20 (692mm)	18.00 (457mm)	5.56 (142mm)	10.7 (272mm)	8.0 (3.6kg)	19.0 (8.63)
8.0	35.20 (895mm)	26.00 (660mm)	5.56 (142mm)	10.7 (272mm)	10.0 (4.5)	27.6 (12.54kg)
10.0	41.80 (1060mm)	32.50 (826mm)	5.56 (142mm)	10.7 (272mm)	12.5 (5.7)	34.5 (15.68kg)
12.0	47.90 (1216mm)	39.00 (991mm)	5.56 (142mm)	10.7 (272mm)	13.5 (6.1)	39.9 (18.13kg)



General Oceanics, Inc.
1295 N.W. 163 Street
Miami, Florida 33169

Tel: (305) 621-2882
Fax: (305) 621-1710
E-mail: sales@GeneralOceanics.com
<http://www.GeneralOceanics.com>