

Depth Integrating Sediment Sampler (Wading Type)

SEDIMENT SAMPLING

General Description

The **lightweight hand sampler** DH48 is used for the collection of suspended sediment samples by **wading rod suspension**.

The **easy-to-use** sampler consists of an **epoxy coated, streamlined aluminium casting** (weighing approx. 2 kg), which partially encloses the sample container. An intake nozzle extends horizontally from the nose of the sampler body. The axis of the sample container is inclined at an angle to the vertical which permits **sampling to within 90 mm of the stream bed**. A continuous stream filament is discharged into the sample bottle during the period of submergence.

A streamline projection, pointing toward the rear on the side of the sampler head, accommodates the air exhaust port from which

air escapes from the bottle as the sample is being collected. A fixed static head differential between the intake and air exhaust, **facilitates sampling in low stream velocities and slack waters**.

The sample container is held in place and sealed against a rubber gasket in the sampler head by a hand-operated spring tensioned clamp at the rear of the sampler. The capacity of the sample container is about 470 ml.

A standard 13 mm diameter wading rod is threaded into the top of the sampler.



Technical Specifications

Type	Hand held wading sampler
Materials	Cast Aluminium
Max. Depth	1 m from water surface (minimum distance from bed 90 mm)
Wading Rods	1 m (in 2 sections of 0.5 m), 13 mm diameter
Length	330 mm
Net Weight	2 kg (4 lb)
Packing Details	6 kg (13 lb), 0.01 m ³
Scope of Delivery	<ul style="list-style-type: none">■ Set of three nozzles: 3.2, 4.8 and 6.3 mm■ Sampler bottle DH4805 (see below, additional bottles available as spare parts)■ Wading rod■ Canvas carry bag■ Instruction manual available from hyquestsolutions.com

Accessories



Sampler bottle DH4805:

0.5 litres, nylon, screw cap for
DH48, DH59 and D49 units

Please ask for details.

HyQuest Solutions' Sediment Sampling Product Portfolio

You can choose from a vast selection of manually or winch-deployed depth-integrating sediment samplers, bedload samplers, rising stage samplers, and their accessories. HyQuest Solutions samplers are based on designs developed by the United States Federal Inter-Agency Sedimentation Project. Please contact us for advice!

Reseller

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