

SEDIMENT SAMPLERS



**Sediment Sampler
Model DH-48**



**Sediment Sampler
Model DH-59**

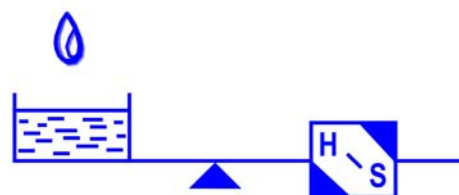


**Sediment Sampler
Model D-49**

- Extensive range of sediment samplers
- Aluminium and marine bronze construction
- Easy access to the collected sample
- Based on designs developed by the United States Federal Inter-Agency Sedimentation Project



CERTIFIED QUALITY
MANAGEMENT SYSTEM
— ISO9001 —



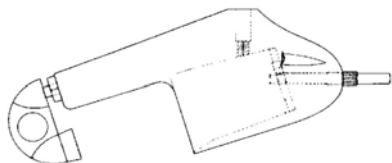
Hydrological Services Pty Ltd
Sydney, Australia

DESCRIPTION

Hydrological Services is a leading manufacturer and supplier of Sediment Samplers. Based on designs developed by the United States Federal Inter-Agency Sedimentation Project. Hydrological Services offer three models to suit any application.

DEPTH-INTEGRATING SUSPENDED-SEDIMENT WADING-TYPE SAMPLER, MODEL DH-48:

A light weight sampler for collection of suspended-sediment samples where a wading rod sampler suspension is used. An intake nozzle extends horizontally from the nose of the sampler body.



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

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 sampler is supplied with a set of three nozzles; 3.2, 4.8 and 6.3 mm, 2 x 0.5 m wading rods and instruction manual, in a canvas carry bag.

Specifications

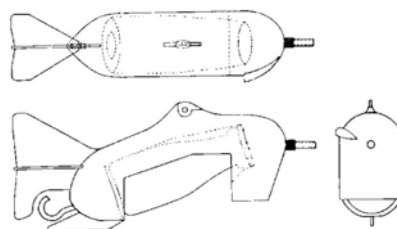
Type:	Wading
Materials:	Cast Aluminium
Net Weight:	2 kg (4lb)
Dimensions:	330 mm long
Max. Depth:	1 m, 90 mm from bed
Wading Rods:	13 mm x 500 mm 13 mm x 1000 mm

Packing Details: 6kg (13lb), 0.01m³

DEPTH-INTEGRATING SUSPENDED-SEDIMENT SAMPLER, MODEL DH-59

A medium-weight suspended-sediment sampler for handline suspension. This sampler is equipped with a tail vane assembly to orient the intake nozzle of the sampler into the approaching flow as the sampler enters the water. The sample container is sealed against a gasket in the head cavity of the casting by pressure applied to the base of the bottle by a hand-operated spring-tensioned pull-rod assembly at the tail of the sampler. Suspended-sediment samples, collected by the intake nozzle projecting horizontally upstream from the head of the casting, are discharged into the bottle containers.

The air in the bottle is discharged through an air exhaust tube in the body casting.



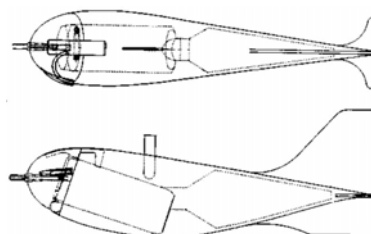
This tube is protected by a streamlined projection alongside the head of the sampler. The sampler is supplied with one 6.3mm, one 4.8mm and one 3.2mm inside diameter nozzles. Sample bottles and the suspension line are optional extras.

Specifications

Type:	Handline
Materials:	Cast Bronze
Net Weight:	10kg (22lb)
Dimension:	380 mm long
Packing Details:	16kg, 0.01m ³

POINT-INTEGRATING SUSPENDED-SEDIMENT SAMPLER, MODEL D-49

A sampler for suspension by gauging winch to take suspended-sediment samplers in streams not greater than 7.4 m in depth. The head of the sampler is hinged to permit access to the sample container. Tail fins are provided to orient the instrument into the stream flow. The head of the sampler is drilled and tapped to receive the 6.3mm/4.8mm, or 3.2mm intake nozzle which projects into the current for collecting the sample. A port which points downstream is provided on the side of the sampler head from which air escapes as it is displaced by the sample being collected in the container.



The instrument is mounted on a hanger bar and attached to the suspension cable on a gauging winch for lowering and raising. Suspension equipment and sample containers are optional extras.

Specifications

Type:	Suspension
Materials:	Cast Bronze
Net Weight:	28kg (62lb)
Dimensions:	815 mm long
Max. Depth:	7.4 m
Packing Details:	37kg, 0.03m ³

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