

The US DH-2A is a suspended-sediment sampler capable of collecting a 1-liter sample and is based on one of the last designs developed and approved by the Federal Interagency Sedimentation Project. The sampler is 20 inches long, weighs 30 pounds, and uses a bag as the sampler container. The relatively small size and weight allow the sampler to be raised and lowered by hand line. However, if multiple samples are to be collected the use of a bridge board and reel, or crane and reel, is recommended.



At a maximum transit rate of 0.4 times the mean stream velocity, the US DH-2A sampler is capable of sampling to a depth of 13 feet with a 5/16 inch nozzle, 20 feet with a 1/4 inch nozzle, and 35 feet with a 3/16 inch nozzle. All rigid-container isokinetic suspended-sediment samplers are limited to a maximum sampling depth of 15 feet.

The sampler body is fabricated from a bronze casting. The nose and tail are plastic. The bronze body is plastic coated with commercially available "PlastiDip®". PlastiDip® is a registered trademark of PlastiDip International. This coating and the plastic parts are used to help the user avoid touching bare metal during water-quality sampling. The cavity for the sample bag in the bronze body is plastic lined. The plastic nose supports the nozzle and nozzle holder and "snaps" into the sampler body with hand pressure. The nose is furnished with a monofilament line attached at the bottom. The opposite end of the line is attached to the sampler body to prevent accidental loss of the nose, nozzle, and nozzle holder. The US DH-2A was designed and fabricated to meet or exceed protocols for water-quality sampling outlined in the USGS National Field Manual for the Collection of Water-Quality Data.

part number: DH-2A

The US DH-2A sampler is supplied with a 3/16 inch, a 1/4 inch, and a 5/16 inch fluoropolymer nozzle, a hanger bar, a hanger bar pin, a nozzle holder, a nozzle holder bag adaptor, a bag adaptor stopper, one fluoropolymer sample bag, 25 poly sample bags and 4 hook and loop straps. The US DH-2A is shipped in a "Pelican" brand container (part number: DH-2A-10A) with a custom fitted insert to secure and protect the sampler. An Operator's Manual on CD is also provided with each sampler.



God Bless Our Troops