

Specific Depth Sampler

Geotech SDS Pump

The SDS Pump is a sampling system which allows sampling from deep wells without purging. A bailer is lowered down the well to the desired depth. As soon as the bailer reaches the water, it fills up. When the bailer reaches the depth of the desired sample, a pump inside the bailer is powered, replacing the stagnant well water with water from the screened intervals of the well.

FEATURES

- Extremely durable powder coated steel storage reel with rugged steel frame.
- Highly accurate stainless steel Kynar® tape marked in engineering units (metric available).
- Long life high capacity rechargeable deep cycle sealed lead acid battery. Sufficient for hundreds of samples on one charge.
- 1 liter easily replaceable double check valve bailer.
- Powerful pump quickly replaces bailer sample.
- Easily replaceable pump.



SPECIFICATIONS

UNIT	Tape Length:	300' and 450' (91m and 137m)	
	Unit Weight:	25.3 and 32.3 lb. (11.5 kg and 14.65 kg)	
	Component Weights:		
	Tape, Reel, and Motor	17.5 and 24.5 lbs. (8 kg and 11 kg)	
	Controller/Power Supply	7.2 lbs. (3.3 kg) including charger	
	Bailer	.6 lb. (.3 kg) excluding pump	
	Component Dimensions:		
	Reel & Tape	300' (91m): 12" W x 14.5" H x 10.5" D (30.5cm W x 36.8cm H x 26.7cm D) 450' (137m): 12" W x 14.5" H x 10.5" D (30.5cm W x 36.8cm H x 26.7cm D)	
	Controller/Power Supply	12" W x 4.5" H x 8.25" D (30.5cm W x 11.4cm H x 21cm D)	

PUMP	Pump Flow Rate:	300' (91m) Tape	450' (137m) Tape
	Full Flow	1 GPM (3.8 LPM)	.9 GPM (3.4 LPM)
	Reduced Flow	.8 GPM (3 LPM)	.7 GPM (2.6 LPM)

Note: These flow rates valid only if standpipe discharge is below the water surface.

Minimum Well Diameter:	1.9 inches (4.8cm)
Standpipe Lengths Available:	2' (61cm) stackable
Bailer Volume:	1 liter

CONTROLLER/POWER SUPPLY	Battery Operation Temperature:	-40°-60° C
	Battery Charging Temperature:	-20°-50° C
	Battery Life:	5 years or 200-1000 discharge cycles

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