

SP250 Quick Release Water Sampler



- Easy interface with speed control for exact sample size with no spilling
- Ideal for fast tubing changes and reduced maintenance
- Reversible motor to backflush sampling hose
- Weather resistant enclosure
- Each pump head for precision pump tubing accepts tubing sizes L/S[®] 13, L/S[®] 14, L/S[®] 16, L/S[®] 25, L/S[®] 17, and L/S[®] 18.

Description

The quick release water sampler is ideal for sample removal from wastewater, shallow wells and surface water, including lakes, ponds, and holding pools. The water sampler is lightweight, rugged, easy to use, weather resistant, and requires minimal maintenance. The peristaltic pump is designed to take a manual sample and has the ability to back flush the sample hose once you are finished taking the sample.

Power

The water sampler operates using an external 12 volt DC power source that can supply at least 2 A continuous. The variable speed motor is reversible and can draw water samples at a wide range of speed.

A power cord, 10 ft (3.05 m) long, is included with each quick release water sampler. The power cord is fitted with alligator clips for easy connection to most 12-volt DC batteries, including car batteries or small 12V, 5 AH gel cells.

Sampling

To provide high sample integrity, the water sample only contacts the norprene and polyethylene tubing. The tubing is easily cleaned or replaced. The Masterflex easy load design and adjustable tubing retention system allow for multiple tubing sizes and for changing the tubing without removing the pump head from the drive. To avoid cross contamination or lengthy decontamination procedures simply change the inexpensive tubing between samples.

Specifications

Enclosure: Expanded UV protected PVC (14" x 12" x 6")

Weight: 7.5lb (Shipping Weight 9 lb)

Operating Temperature: 0-70°C

Operating Voltage: 12V DC

Current Draw: 2A max

Sample Pump: Masterflex easy-load.

Pump Type: Peristaltic

Maximum Lift: 22'

Flow Rate: Variable depending on tube size and head height.

Back flush Rate: Same as Flow Rate.

Pump Tube: Uses 13,14,16, 17,18, and 25 Tubing

Sample Hoses: Supplied with ¼" norprene and 15' nylon reinforced polyethylene tubing with intake strainer.

Options and Accessories

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Includes ¼" tubing, 15' long pick up tube and strainer, and 10' battery cable.

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Our Address:

11390 Amalgam Way
Gold River, CA 95670