



CONTROLS AND INDICATORS

MANUAL LIFT SWITCH. The sampler will perform a lift/purge self test when power is first applied, then begin timing for the next sample.

MODE INDICATORS. These three light emitting diodes (LEDs) display the current mode of operation. (e.g. PUMP LIFT, SAMPLE IN PROGRESS, or PUMP PURGE).

SAMPLES PER DAY. This selector switch allows the user to set the number of samples per 24-hour cycle. The sampler will take, ranging from 125 to 1 samples per day. Additional settings are provided. Select **MANUAL LIFT** for applications where the sampler will be used with an external flow meter. Selecting **MANUAL LIFT** will initiate a pump lift within 15 seconds after the pump lift begins, leaving this switch in the **MANUAL LIFT** position. Pressing **MANUAL LIFT** will cause the pump to lift manually.

MANUAL CYCLE. Depressing this button forces an immediate sample lift/purge cycle. Sample volume will be determined by the position of **SAMPLE VOLUME** selector. At the completion of a manual cycle, the next sample will be determined by the **SAMPLES PER DAY** selector.

FUSE. Protects the electronic circuits from being damaged by any over-current condition. Replaces a 3A fuse.

SUCT. TUBING LENGTH. Determines the duration of the pump purge cycle. Adjusting this selector changes the approximate length of the lift/purge cycle to optimize timing of the purge cycle, conserve battery power.

SAMPLE VOLUME. Selects the volume in

SPECIFICATIONS

Dimensions -----	14.75"L x 8.0"W x 11.5"H
Dry Weight -----	14 lbs.
Operating Temperature Range -----	33-100°F (1-38°C)
Control Unit Enclosure -----	Weatherproof Polypropylene Meets NEMA 4X and 6 requirements for weather proofing.
Sample Lift Limit -----	Approx. 30 ft. vertical (24"Hg)
Program Modes -----	Time based and external, (i.e. flow proportional).
Sampling Mode -----	Uniform time based
Sample Distribution -----	Single container.
Sample Frequency -----	8 to 125 samples/day adjustable.
System Purge -----	Automatic air purge after every cycle. Adjustable for various lift/tubing lengths.
Sample Volume -----	20 to 300 ml. adjustable.
Sample Volume Repeatability -----	+/- 10 ml. typical.
Suction Tubing Length Range -----	3-40 ft. 1/4" i.d. vinyl.
Pump -----	Three roller peristaltic pump with five-year warranty. Fully enclosed. Easily accessible for tubing changes.
Pumping Rate -----	225 ml./min.
Power Requirements -----	12 VDC battery or AC adaptor.
Battery -----	7.0 Amp-hour gelled electrolyte, 12 volts. Allows for easy recharging and long life.

OPTIONS

- *** 120VAC/Battery convertible power supply.
- *** Flow-proportional sampling: sample lift controlled by external flow meter.
- *** TEFLON® or NORPRENE® pump tubing.
- *** Stainless steel or titanium pump
- *** Additional sample rates and sample volumes.
- *** Photovoltaic (solar) panel for extending remote operation.
- *** Remote liquid level sensor (allows for exit tubing lengths of up to 200 ft.)

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