

3710 Portable Composite Sampler	
Size (Diam x Ht):	19 x 28 inches (49 x 73 cm)
Weight:	Dry, less battery - 32 lbs (14.5 kg)
Material:	Fiberglass-reinforced plastic with UV-resistant gel coat
Power required:	12 VDC (Supplied by battery or AC power converter.)
Pump	
Intake purge:	Adjustable air purge before and after each sample.
Tubing life indicator:	Provides a warning to change pump tubing.
Pump tubing life:	Recommended 500,000 pump counts
Intake suction tubing:	Vinyl or PTFE/FEP; 3/8 inch (1 cm) or 1/4 inch (0.6 cm) ID; 3 to 99 feet (1 to 30 m) Length
Maximum lift:	26 ft. (7.9 m)
Repeatability:	±10 ml typical
Typical line velocity @ Head height:	2.5 ft./s @ 3 ft; 2.5 ft./s @ 10 ft; 1.9 ft./s @ 15 ft. (0.76 m/s @ 0.9 m; 0.76 m/s @ 3.1 m; 0.58 m/s @ 4.6 m)
Liquid presence detector:	Non-wetted, non-conductive sensor detects when liquid sample reaches the pump to automatically compensate for changes in head heights.
Controller	
Weight:	11 lbs (5 kg)
Size (HxWxD):	10 x 12.5 x 10 inches (25 x 32 x 25 cm)
Operational temperature:	32° to 120°F (0° to 49°C)
Enclosure rating:	NEMA 4X, 6 IP67
Program memory:	Non-volatile ROM
Flow meter signal input:	5 to 15 volt DC pulse or 25 millisecond isolated contact closure.
Number of Samples:	Up to 200 composite samples. (Fail-safe float shutoff.)
Interface port:	8 pin connector; data output at 2400 baud in ASCII. RS-232 format with handshake.
Clock accuracy:	1 minute per month, typical, for real time clock
Software	
Sample frequency:	1 minute to 99 hours 59 minutes, in 1 minute increments. Non-uniform times in minutes or clock times 1 to 9,999 flow pulses
Sample pacing:	Uniform time, non-uniform time, flow. Flow pacing is controlled by external flowmeter pulses.
Sample volumes:	Programmable from 10 to 9,990 ml in 1 ml increments
Sample retries:	If no sample is detected, up to 3 attempts; user selectable
Rinse cycles:	Automatic rinsing of suction line up to 3 rinses for each sample collection
Program storage:	3 sampling programs
Sampling stop/resume:	Up to 24 real time/date sample stop/resume commands.
Controller diagnostics:	Tests for RAM, ROM, pump display, and distributor