

Specifications:

Alarm	Configurable alarms that show on status screen and are recorded in diagnostics alarm logs. Alarms can be set for system diagnostics and logging such as program end, sample complete, missed samples and full bottle. Channel alarms are setpoint alarms for the recorded measurements (channels), such as pH, level and power supply voltage.
Automatic Shutdown	Multiple Bottle Mode: After complete revolution of distributor arm (unless Continuous Mode is selected) Composite Mode: After preset number of samples have been delivered to composite container, from 1 to 999 samples, or upon full container.
Base Configuration	Portable Standard
Base Type	Standard
Body material	Impact resistant ABS plastic, 3-section construction Double-walled base with 2.54 cm insulation, direct ice contact with bottles (Sampler)
Bottle Set	Composite 2.5-gallon polyethylene bottle kit
Certifications	CE, UL
Communication Capabilities	USB and optional RS485 (Modbus)
Data Logging	SAMPLE HISTORY - Stores up to 4000 entries for sample time stamp, bottle number and sample status (success, bottle full, rinse error, user abort, distributor error, pump fault, purge fail, sample timeout, power fail and low main battery). MEASUREMENTS - Stores up to 325,000 entries for selected measurement channels in accordance with the selected logging interval. EVENTS - Ability to store up to 2000 entries in Sample History logging. Records Power On, Power Fail, Firmware Updated, Pump Fault, Distributor Arm Error, Low Memory Battery, Low Main Battery, User On, User Off, Program Started, Program Resumed, Program Halted, Program Completed, Grab Sample, Tube Change Required, Sensor Communication Errors, Cooling Failed, Heating Failed, Thermal Error Corrected.
Diagnostics	View event and alarm logs as well as maintenance diagnostics
Dimensions	Standard Base: 50.5 cm x 69.4 cm (19.9 x 27.3 in.) Compact Base: 44.1 x 61 cm (17.4 x 24 in.) Composite Base: 50.28 x 79.75 cm (19.8 x 31.4 in.)
Display	1/4 VGA, Color; self-prompting/menu-driven program
Factory Installed Options	TWO SENSOR PORTS Accepts Hach digital Differential pH, Hach digital AV9000 analyzer with submerged area velocity flow and/or Hach digital US9000 ultrasonic level sensors RAIN/RS485 PORT Accepts Hach Rain Gauge (not included) or can be used as RS485 communications NON-CONTACT LIQUID DETECT Sample volume accuracy for applications that require complete tubing replacement Please contact your Hach sales representative for details.
Housing Material	PC/ABS blend, NEMA 4X, 6, IP68, corrosion and ice resistant (Controller)
Inputs	One 0/4-20 mA input for flow pacing
Intake	Strainers: Choice of PTFE and 316 stainless steel construction, or all 316 stainless steel in standard size, high velocity, and low profile for shallow depth applications

	Purge: Air purged automatically before and after each sample; duration automatically compensates for varying intake line lengths Rinse: Intake line automatically rinsed with source liquid prior to each sample, from 1 to 3 rinses Retries or Fault: Sample collection cycle automatically repeated from 1 to 3 times if sample not obtained on initial attempt
Internal Clock	±1 second per day at 25 °C (77 °F)
Languages	en, fr, es, it, de, pt, zh, tr, hu, cz, pl, ro, hr, el, sl, sk, fi, ru, ja, ko
Lock Function	Access code protection prevents tampering
Manual Sampling	Initiates a sample collection independent of program in progress
Memory	Sample history: 4000 records; Data log: 325,000 records; Event log: 2000 records
Operating Mode	Continuous or non-continuous
Power Requirements (Voltage)	12V Battery
Power Supply	Battery, 12V Lead acid, 3 pin
Probes included	No
Programs	Dual Programs: Up to 2 sample programs can be run sequentially, in parallel, or according to day of week scheduling; enabling a single sampler to function like multiple samplers
Pump flow rate	4.8 L/min (1.25 gpm) at 1 m (3 ft) vertical lift with 3/8-in intake tube typical
Rain Gauge Enabled	None
Rain gauge input	No
Sample Container	1 - 2.5 Gallon
Sample Interval	Selectable in single increments from 1 to 9,999 flow pulses or 1 to 9,999 mins in one-minute increments
Sample Pump	High-speed peristaltic, dual roller, with 0.95 ID x 1.6 OD cm (3/8 ID x 5/8 in. OD) pump tube
Sample Transport Velocity	2.9 ft/s (0.9 m/s) with 15 ft (4.6 m) vertical lift, 16 ft of 3/8-in. vinyl intake tubing, 70°F (21°C) and 5000 ft elevation
Sample Trigger	When equipped with flow sensor or pH/temperature sensor or peripheral monitoring options, sampling can be triggered upon an upset condition when field selectable limits are exceeded
Sample Volume	Programmable in 10 mL increments from 10 - 10,000 mL
Sample Volume Accuracy	Typical: ±5% of 200 mL sample volume with: 4.6 m (15 ft) vertical lift, 4.9 m (16 ft) of 3/8- in. vinyl intake tube, single bottle, full bottle shut-off at room temperature and 1524 m (5000 ft) elevation

Sample Volume Repeatability	Typical: $\pm 5\%$ of 200 mL sample volume with: 4.6 m (15 ft) vertical lift, 4.9 m (16 ft) of 3/8-in vinyl intake tube, single bottle, full bottle shut-off at room temperature and 1524 m (5000 ft) elevation
Sampling Mode	Pacing: Time Weighted, Flow Weighted, Time Table, Flow Table, Event Distribution: Single bottle composite, multi-bottle composite, multi-bottle discrete, bottles per sample, samples per bottle or a combination of bottles per sample and samples per bottle
Sensor Ports	None
Sensors	None
Status Messages	Communicates what program is running, if there are any missed samples, when the next sample will be taken, how many samples remain, number of logged channels, time of last measurement, memory available, number of active channels, if alarms were triggered, when alarms were triggered, active sensors and cabinet temperature
Suction Hose Outer Diameter	1/4" and 3/8" ID PTFE-lined Polyethylene with protective outer cover available in clear and black.
Temperature	Operating: 0 - 49 °C Storage: -40 - 60 °C
Tubing	Pump tubing: 9.5 mm ID x 15.9 mm OD Silicone Intake tubing: 1.0 - 4.75 m minimum length, 1/4" or 3/8" ID Vinyl or 3/8" ID PTFE-lined Polyethylene with protective outer cover (black or clear)
User Interface	Membrane switch keypad with 2 multiple function soft keys
User Interface Languages	Chinese, English, French, German, Italian, Spanish, Portuguese
Vertical Lift	Maximum of 28 ft using 29 ft of 3/8-in. vinyl intake tube at sea level at 20-25°C (68-77°F)
Warranty	12 months
Weight	15 kg
What's included?	1 ea. AS950 controller on standard portable base 1 ea. 12V battery (8754400) 1 ea. Bottle kit (PS010030) includes 2.5-gallon polyethylene bottle w/cap (1918), container support (1502) and full bottle shut-off (8996) 1 ea. 25' vinyl intake tubing (920) 1 ea. strainer (926) (Battery charger 8753500US sold separately)