



AS950 Portable Standard Sampler, 2 Sensor Port Options, 12 V, Composite 10 L PE Bottle, Submerged Area Velocity and digital pH Sensor

Product #:

ASP.CSXXS12113

ZAR Price:

Contact Hach

Sampling has never been this easy.

The AS950 Portable Standard Sampler simplifies sampling, turning a once complicated task into an effortless and efficient process. Designed to enhance accuracy and prevent errors, this device ensures reliable results every time, giving operators the confidence that their sampling is being handled precisely.

The AS950 removes the complexity of programming while delivering consistent, reliable data. By simplifying workflows with its user-friendly operation and advanced features like USB data transfer and program copying, it reduces repetitive tasks and enables operators to focus on more critical responsibilities with ease and confidence.

Its real-time error alerts and status updates mean you're always in the loop, so you can address issues quickly and avoid disruptions. Lightweight and highly portable, the AS950 adapts to both field and lab environments, offering dependable support wherever it's needed.

With the AS950, your sampling tasks are no longer a source of stress. Instead, you gain peace of mind, knowing that this equipment is designed to work accurately and efficiently, empowering you to achieve optimal results with ease.

Easiest and Most Intuitive Operation

The large full color display and intuitive programming give you access to all your programmable criteria on a single screen - eliminating scrolling through menus and supporting error-free operation.

Most Convenient Data Transfer and Programming Available

The AS950 is the only sampler that utilizes a USB drive to upload and download data and copy programs from one sampler to another.

Confidence in Your Sampling Process

The program status screen instantly communicates alarms, missed samples and program progress for quick and easy troubleshooting.

Field Convertible for Compact or Discrete Sampling

Weighing only 15 kg, the AS950 portable standard sampler is designed for accuracy and convenience. Quickly switch between composite and discrete sampling in the field. Configurable for single or multiple bottle applications, it is specifically designed for use in 18-inch manholes.

Easy Maintenance at Low Cost

The rugged see-through pump cover is made for a quick visual inspection. Desiccant and pump tubing can easily be accessed; the replacement is possible without any tools. Together with the long pump tubing life, this keeps maintenance costs low.

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.

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
Communication Capabilities:	USB and optional RS485 (Modbus)
Data logging:	<p>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).</p> <p>MEASUREMENTS - Stores up to 325,000 entries for selected measurement channels in accordance with the selected logging interval.</p> <p>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.</p>
Diagnostics:	View event and alarm logs as well as maintenance diagnostics
Display:	1/4 VGA, Colour; self-prompting/menu-driven program
Factory Installed Options:	<p>RAIN/RS485 PORT</p> <p>Accepts Hach Rain Gauge (not included) or can be used as RS485 communications</p>
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:	<p>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</p> <p>Purge: Air purged automatically before and after each sample;</p> <p>duration automatically compensates for varying intake line lengths</p> <p>Rinse: Intake line automatically rinsed with source liquid prior to each sample, from 1 to 3 rinses</p> <p>Retries or Fault: Sample collection cycle automatically repeated from 1 to 3 times if sample not obtained on initial attempt</p>
Internal Clock:	±1 second per day at 25 °C
Lock Function:	Access code protection prevents tampering
Manual Sampling:	Initiates a sample collection independent of program in progress
Memory:	<p>Sample history: 4000 records;</p> <p>Data log: 325,000 records;</p> <p>Event log: 2000 records</p>
Operating Mode:	Continuous or non-continuous
Operating temperature range:	0 - 50 °C
Power requirements (Voltage):	12 V Battery
Power supply:	Battery, 12V Lead acid, 3 pin
Probes included:	Submerged Area Velocity and digital pH
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 at 1 m vertical lift with 3/8" intake tube typical

Rain Gauge Enabled:	No
Sample Container:	1 x 2.5 Gallon PE
Sample Interval:	Selectable in single increments from 1 to 9999 flow pulses or 1 to 9999 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" OD) pump tube
Sample Temperature:	0 - 60 °C
Sample Transport Velocity:	0.9 m/s with 4.6 m vertical lift, 4.8 m of 3/8" Vinyl intake tubing, 21 °C and 1524 m 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 vertical lift, 4.9 m of 3/8" Vinyl intake tube, single bottle, full bottle shut-off at room temperature and 1524 m elevation
Sample Volume Repeatability:	Typical: ±5% of 200 mL sample volume with: 4.6 m vertical lift, 4.9 m of 3/8" Vinyl intake tube, single bottle, full bottle shut-off at room temperature and 1524 m 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:	Yes
Sensors:	Non oil-filled 0-10' range, 30' cable with connector; Digital pH sensor
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
Storage conditions:	-30 - 60 °C
Suction Hose Outer Diameter:	1/4" and 3/8" ID PTFE-lined Polyethylene with protective outer cover available in clear and black.
Tubing:	Vinyl - 25', 3/8" ID x 5/8" OD tubing and PTFE/stainless steel strainer
User Interface:	Membrane switch keypad with 2 multiple function soft keys
Vertical Lift:	8.5 m using 8.8 m maximum of 3/8" Vinyl intake tube at sea level at 20 to 25 °C
Warranty:	12 months
Weight:	15 kg
What's included?:	1 ea. AS950 controller with sensor ports 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)
	1 ea. Non oil-filled 0-10' range submerged area velocity sensor with 30' cable (77065-030)
	1 ea. AV9000S Area Velocity Analyzer (9504600)
	1 ea. AV9000S mounting hardware (9506900)
	1 ea. digital pH sensor (DPD2P1)
	1 ea. pH adapter cable (9501200)

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