



## AS950 Portable Compact Sampler, 115 V, with 24 - 575 mL Bottles

**Product #:** ASP.CXXXC261XX

**ZAR Price:** Contact Hach

### Sampling has never been this easy.

The AS950 Portable Compact Sampler is the easiest and most intuitive way to collect reliable samples. With USB data transfer capabilities, a large full-color display, and intuitive single-screen programming, the AS950 Portable Sampler makes the entire sampling process a breeze.

You'll have complete confidence in your results thanks to the error warning and status screen, and you'll save time by copying programs from sampler to sampler, eliminating tedious programming. Whether you're performing composite or discrete sampling, the AS950 Portable Sampler can do it all, and its lightweight design (only 12.7 kg) makes it both accurate and convenient.

So if you're looking to simplify your sampling process, the AS950 Portable Sampler is the perfect solution. With intuitive operation and the most convenient data transfer and programming, it gives you the confidence you need in your sampling process. Order yours today and experience the benefits.

#### 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 28 pounds (12.7 kg), the AS950 Portable 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.

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## 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 Compact

Base Type:	Compact
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:	Discrete (24) 1L polyethylene bottle kit for standard base
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>
Display:	1/4 VGA, Color; self-prompting/menu-driven program
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
	<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
Languages user interface:	en, fr, es, it, de, pt, zh, tr, hu, cz, pl, ro, hr, el, sl, sk, fi, ru, ja, ko
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
Power requirements (Voltage):	115 V Power Supply
Power supply:	100-120V, 3 pin to sampler. US plug.
Probes included:	No
Rain Gauge Enabled:	None
Rain gauge input:	No
Sample Container:	24 x 575 mL
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 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:	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:	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 on compact portable base
	1 ea. 115V power supply (8754500US)
	1 ea. Bottle kit (PC240575) includes 24 - 575mL polyethylene bottles w/caps (1369) retainer (1422) and distributor arm (8580)
	1 ea. 25' vinyl intake tubing (920)
	1 ea. strainer (926)
	(Battery charger 8753500US sold separately)

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