AS950 Portable Standard Sampler Bundle, 230V, with 24- 1 liter Bottles

Product #:	**ASP.CXXXS341XX**
SGD Price:	Contact Hach

Sampling has never been this easy.

The AS950 Portable Sampler simplifies sampling with a large, full-colour display for intuitive, single-screen programming, USB upload and download capabilities and the ability to copy programs sampler to sampler to save time on tedious programing, and an error alert and status screen to eliminate uncertainty and simplify troubleshooting. Weighing only 12.7 kg, the AS950 Portable Sampler is designed for accuracy and convenience.

Easiest and most intuitive operation
The large full colour 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 utilises 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 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
Spring-mounted rollers provide long tubing life keeping maintenance costs low. The desiccant and pump tubing can easily be accessed; the replacement is possible without any tools. The rugged see-through pump cover is made for a quick visual inspection.

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:	Discrete (24) 1L polyethylene bottle kit for standard base
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.)
Display:	1/4 VGA, Color; self-prompting/menu-driven program
Display Lock Function:	Access code protection prevents tampering
Factory Installed Options:	RAIN/RS485 PORT
	Accepts Hach Rain Gauge (not included) or can be used as RS485 communications
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
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:	230V, 3 pin to sampler. EU plug.
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:	24 - 1 Liter
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: ±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:	None
	None
Sensor Ports:	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)
Weight:	15 kg

What's in the box?

1 ea. AS950 controller on standard portable base1 ea. 230V power supply (8754500EU)1 ea. Bottle kit (PS241000) includes 24x1 liter polyethylene bottles w/caps (737) retainer (1422) and distributor arm (8582)1 ea. 25' vinyl intake tubing (920)1 ea. strainer (926)(Battery charger 8753500EU sold separately