

# SAMPLING EQUIPMENT Hach Samplers & Accessories

## Hach AS950 Series Portable Samplers

- Lightweight for easy transport
- Copy sampler programs and download data via USB port
- Compact models fit into 18" manholes

These portable samplers are available as 115 VAC-powered models or battery-powered units ideal for remote, project-based sampling needs. All feature a peristaltic pump with corrosion-resistant Delrin® resin construction, requiring little maintenance. The intake line thoroughly purges before and after every sample collected, reducing cross-contamination. If the unit detects a failed sample attempt, it performs a high-pressure purge and repeats the cycle.

The programmable datalogging controller stores up to 325,000 records, each with start time, sample time, sample ID and more. Transfer data via USB memory stick (sold separately). The user interface display shows all programmable criteria on a single screen. The screen also instantly displays alerts for sampling errors and maintenance issues.

The rugged NEMA 4X/6 housing consists of three sections—the bottle/base section, center control system and cover. Stainless steel latches hold the housing together and let you connect an optional suspension harness. The double-walled insulated base has room for 8.5 lbs of ice or gel packs to maintain your samples at EPA-mandated 4°C (±1°C). The lockable top cover protects the controller from weather and tampering (padlock not included).

**Optional input/output (I/O) modules** expand the controller's capabilities. We offer two modules; either can be field-added at any time. The **IO9001 module** provides a single high-voltage relay output that triggers based on a specified alarm event. The **IO9004 module** provides two 0/4-20 mA analog inputs to receive additional measurements from external instruments (such as a flow sensor or pH probe); three 0/4-20 mA outputs to supply recorded measurements to external instruments; four contact-closure digital outputs for alarm events; and four relay outputs controlled by alarm events.

**Samplers include:** sample bottle(s), 25 feet of vinyl intake tubing and Teflon®/Stainless Steel strainer. Battery-powered samplers **do not** include battery charger; order stock # 28946 separately.



See page 1646 for AS950 Enhanced Samplers

## Why wait? We've got Hach in stock!

MFR #	DESCRIPTION	STOCK #	EACH
<b>AS950 COMPACT PORTABLE SAMPLERS</b>			
ASP.CXXXC121XX	Sampler w/ 2.5-Gallon (10-L) Bottle & 12V Battery	51387	\$
ASP.CXXXC161XX	Sampler w/ 24 575-mL Bottles & 12V Battery	51388	
ASP.CXXXC221XX	Sampler w/ 2.5-Gallon (10-L) Bottle, 115 VAC	51389	
ASP.CXXXC261XX	Sampler w/ 24 575-mL Bottles, 115 VAC	51390	
<b>AS950 STANDARD PORTABLE SAMPLERS</b>			
ASP.CXXXS121XX	Sampler w/ 2.5-Gallon (10-L) Bottle & 12V Battery	51393	\$
ASP.CXXXS141XX	Sampler w/ 24 1-L Bottles & 12V Battery	51394	
ASP.CXXXS221XX	Sampler w/ 2.5-Gallon Bottle, 115 VAC	51395	
ASP.CXXXS241XX	Sampler w/ 24 1-L Bottles, 115 VAC	51396	
<b>REPLACEMENT ITEMS &amp; ACCESSORIES</b>			
ASP.CXXX	Replacement Hach AS950 Controller	51399	\$
8755600	Replacement Desiccant and Tube	28953	
8755500	Replacement Bulk Desiccant Refill, 1.5 lbs	28702	
9494500	IO9001 Module	89217	
9494600	IO9004 Module	89218	
9501000	Auxiliary Input Junction Box for 4-20 mA Inputs, 1'L Cable	89219	
8528500	Signal Input Cable, 9'L, 7-Pin Connector	86085	
8528501	Signal Input Cable, 25'L, 7-Pin Connector	86086	
8754500US	Power Converter, 115 VAC for Portable Samplers	28944	
8754400	7-Ah 12-VDC Sealed Battery for Portable Samplers	28947	
8753500US	12 VDC Battery Charger for Portable Samplers	28946	
—	USB 4-GB Memory Stick	67228	
4600-15	3/8" ID x 5/8" OD Silicone Pump Tubing, 15-ft	28932	
4600-50	3/8" ID x 5/8" OD Silicone Pump Tubing, 50-ft Roll	89212	
—	3/8" ID x 5/8" OD PVC Suction Tubing, 100-ft Roll	28889	
921	3/8" ID Teflon-Lined Polyethylene Tubing, 10-ft	28922	
922	3/8" ID Teflon-Lined Polyethylene Tubing, 25-ft	28923	
2186	Connector Kit for 28922, 28923 Teflon-Lined Tubing	28924	
926	Teflon/SS Strainer for 3/8" ID Tubing	28929	
—	Stainless Steel Strainer for 3/8" ID Tubing	28887	
—	PVC Strainer for 3/8" ID Tubing	28852	
1355	Suspension Harness for Portable Samplers	28928	
5713000	Manhole Support Bracket, 18-27" (Use w/ 28928)	28930	
9557	Manhole Support Bracket/Spanner, 28-48" (Use w/ 28928)	28925	
—	2.5-Gallon Polyethylene Bottle with Cap	28826	
—	4-Gallon Polyethylene Bottle with Cap	28834	

<b>Temperature limits:</b>	32 to 120°F (0 to 49°C)
<b>Sample cooling:</b>	double-walled insulated base (direct bottle contact from user-supplied ice)
<b>Maximum lift:</b>	28 ft
<b>Transport velocity:</b>	2.9 ft/sec at 15 ft vertical lift (typical)
<b>Sample volume:</b>	programmable in 10-mL increments from 10 to 10,000 mL
<b>Accuracy:</b>	±3%
<b>Repeatability:</b>	±5%
<b>Sample modes</b>	
<b>Pacing:</b>	time-fixed, flow-fixed, time-variable, flow-variable, event based
<b>Distribution:</b>	single-bottle composite, multi-bottle composite, multi-bottle discrete, bottles per sample, samples per bottle, combination of bottles per sample and samples per bottle
<b>Sample interval:</b>	single increments from 1 to 9999 flow pulses, 1 to 9999 minutes in 1-minute increments
<b>Sample programs:</b>	runs two programs simultaneously, sequentially or in parallel
<b>Internal clock:</b>	real time, accurate to ±1 second per day at 25°C (77°F)
<b>Communications:</b>	USB port (Modbus RS485 optional)
<b>User interface:</b>	membrane switch keypad and VGA color display
<b>Power requirements:</b>	12 VDC (2.25A avg.) supplied by optional 115 VAC* power converter or 7-Ah 12-VDC battery
<b>Input types:</b>	flow pacing or event pulse (contact closure or 5-12 VDC pulses); 4-20 mA**
<b>Dimensions:</b>	standard: 19 7/8" Dia x 28 3/16" H; compact: 17 3/8" Dia x 25 1/8" H
<b>Weight:</b>	standard: 32 to 35 lbs; compact: 27 to 28 lbs
<b>Approvals:</b>	CE, UL

\* 230 VAC available. Contact USABlueBook for more information.

\*\* See page 1646 for models with direct input for flow metering, rain gauge, and pH sensors.