Hach AS950 Series All-Weather Refrigerated Samplers

- **Ideal for outdoor use; select units feature heater option**
- **Copy sampler programs and download data via USB port**
- **Choose from single-bottle composite or discrete multiple-bottle configurations**

This all-weather sampler stands up to environmental extremes. Its linear low-density polyethylene plastic housing provides superior weather, corrosion and UV resistance. Top-mounted compressor is protected from corrosive gases, rodents and standing water that may occur at floor level. Its air-sensing thermostat maintains sample liquid at 4°C (±1°C), even on hot 100°F days. A fan-forced air-cooled condenser and front ventilation let you position the sampler either against a wall or inside a sampler enclosure. Both the refrigerator and controller compartments lock for high-security needs.

The corrosion-resistant peristaltic pump features Delrin® construction, requiring little maintenance—just change tubing periodically. Intake line thoroughly purges before and after every sample collected, greatly reducing any chance of cross-contamination. If the unit detects a sample attempt failure, it performs a repeat cycle using a high-pressure purge before retaking.

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.

AS950 Controller

Optional input/output (I/O) modules expand AS950 controller capabilities. We offer two modules, either of which can be field-added at any time. The **IO9001 module** provides a single high-voltage relay output you can trigger 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: base cabinet, two keys, temperature control system, controller/pump, bottle(s), bottle retainer, 25' vinyl intake tubing and Teflon®/SS strainer.

SHIPS MOTOR FREIGHT

Shipping: Ships motor freight.

See page 1646 for AS950 Enhanced Samplers

MFR #	DESCRIPTION	STOCK #	EACH
AS950 ALL-WEATHER SAMPLERS			
ASA.CXXX1X21XX	Sampler w/ One 2.5-Gallon (10-L) Bottle	86088	$
ASA.CXXX1X31XX	Sampler w/ Four 2.5-Gallon (10-L) Bottles	53382	
ASA.CXXX1X11XX	Sampler w/ One 5.5-Gallon (21-L) Bottle	53378	
ASA.CXXX1X41XX	Sampler w/ 24 1-Liter Bottles	53386	
AS950 ALL-WEATHER SAMPLERS WITH CONTROLLER COMPARTMENT HEATER			
ASA.CXXX2X21XX	Sampler w/ One 2.5-Gallon (10-L) Bottle	86087	$
ASA.CXXX2X31XX	Sampler w/ Four 2.5-Gallon (10-L) Bottles	53383	
ASA.CXXX2X11XX	Sampler w/ One 5.5-Gallon (21-L) Bottle	53379	
ASA.CXXX2X41XX	Sampler w/ 24 1-Liter Bottles	53387	
REPLACEMENT ITEMS & ACCESSORIES			
ASA.CXXX	Replacement Hach AS950 Controller	53390	$
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-ft Cable	89219	
8528500	Signal Input Cable, 9-ft, 7-Pin Connector	86085	
8528501	Signal Input Cable, 25-ft, 7-Pin Connector	86086	
5698200	AC Power Back-Up (Including Battery)	28976	
—	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	
—	SS Strainer for 3/8" ID Tubing	28887	
—	PVC Strainer for 3/8" ID Tubing	28852	
—	2.5-Gallon Polyethylene Bottle w/ Cap	28826	
—	4-Gallon Polyethylene Bottle w/ Cap	28834	
—	5-Gallon Polyethylene Bottle w/ Cap	28827	
—	2.5-Gallon Glass Bottle w/ Teflon-Lined Cap	28828	
—	5.5-Gallon Polyethylene Bottle w/ Cap	28164	

Temperature limits:	32 to 122°F (0 to 50°C) standard -40 to 122°F (-40 to 50°C) with heater option
Sample cooling:	1/5 hp, 115°C (239°F) thermal overload protector
Maximum lift:	28 ft
Transport velocity:	2.9 ft/sec at 15-ft vertical lift (typical)
Sample volume:	programmable in 10-mL increments from 10 to 10,000 mL
Accuracy:	±3%
Sample modes	
Pacing:	time-fixed, flow-fixed, time-variable, flow-variable, event-based
Distribution:	single-bottle composite, multi-bottle composite, multi-bottle discrete, bottles per sample, samples per bottle, combination of bottles per sample, and samples per bottle
Sample interval:	single increments from 1 to 9999 flow pulses, 1 to 9999 minutes in 1-minute increments
Sample programs:	runs two programs simultaneously, sequentially or in parallel
Internal clock:	real time, accurate to ±1 second per day at 25°C (77°F)
Communications:	USB port (Modbus RS485 optional)
User interface:	membrane switch keypad and VGA color display
Power requirements:	115 VAC*, 60 Hz, 4.2A (6.4A with heater) 7.1A locked rotor current
Input types:	flow pacing or event pulse (contact closure or 5-12 VDC pulses); 4-20 mA**
Dimensions:	30"W x 51"H x 32"D
Weight:	190 lbs
Approvals:	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.**

Tough application? Call us for free, unbiased technical support.