

Hach AS950 Series Indoor Refrigerated Samplers

- Intuitive programming makes samplers easy to use
- Copy sampler programs and download data via USB port
- Choose from single-bottle composite or multiple-bottle configurations

Obtain consistent, representative samples from your effluent stream with the AS950 series stationary refrigerated sampler. It keeps your samples at an EPA-mandated 4°C (±1°C). The reliable peristaltic pump features corrosion-resistant Delrin® resin construction, requiring little maintenance. A non-contact ultrasonic liquid sensor ensures volume accuracy and repeatability, regardless of changes in draw height or sample composition. Intake line thoroughly purges before and after every sample collected, 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, which also instantly displays alerts for sampling errors and maintenance issues.

Samplers feature a 22-gauge steel refrigerator body with vinyl laminate coating. Refrigeration components and copper plumbing are corrosion protected with conformal coating. Optional back-up battery for controller sold separately.

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: refrigerator, controller, sample bottle(s), bottle retainer, 25' vinyl intake tubing and Teflon®/Stainless Steel strainer.

Note: Models with stainless steel refrigerators are available; contact USABlueBook for more information.

Shipping: Ships motor freight.



Be Right™

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AS950 Controller

See page 1646 for AS950 Enhanced Samplers

Temperature limits:	32 to 120°F (0 to 49°C)
Sample cooling:	1/7 hp, 75W, 400 BTU/hr compressor, 110°C (230°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%
Repeatability:	±5%
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, 1.5 to 2A running, 12A locked rotor current
Input types:	flow pacing or event pulse (contact closure or 5-12 VDC pulses); 4-20 mA**
Dimensions:	24"W x 44"H x 24"D
Weight:	140 lbs
Approvals:	CE, UL

MFR #	DESCRIPTION	STOCK #	EACH
AS950 REFRIGERATED SAMPLERS			
ASR.CXXX1X21XX	Sampler w/ One 2.5-Gallon (10-L) Bottle	39935	\$
ASR.CXXX1X11XX	Sampler w/ One 5.5-Gallon (21-L) Bottle	39933	
ASR.CXXX1X41XX	Sampler w/ 24 1-Liter Bottles	39937	
REPLACEMENT ITEMS & ACCESSORIES			
ASR.CXXX	Replacement Hach AS950 Controller	39939	\$
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	
8757400	AC Power Back-Up (including Battery)	28977	
—	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	
—	2.5-Gallon Glass Bottle w/ Teflon-Lined Cap	28828	
—	4-Gallon Polyethylene Bottle w/ Cap	28834	
—	5-Gallon Polyethylene Bottle w/ Cap	28827	
—	5.5-Gallon Polyethylene Bottle w/ Cap	28164	

* 230 VAC available. Contact USABlueBook for more information.

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