

SAMPLING EQUIPMENT Endress+Hauser Samplers

Endress+Hauser Liquistation Refrigerated Outdoor Samplers

- Features both a refrigerator and defroster for all weather conditions
- Plain text menu guides you smoothly through setup
- Optional Memosens sensor inputs add powerful centralized analyzer capabilities to the sampler

Endress+Hauser 
People for Process Automation

Rugged stationary Endress+Hauser outdoor samplers are designed for fully automated sampling and distribution of fluid samples. Modular hardware and flexible software let you customize your sampler for a broad range of applications. These two-door sampling stations offer two chambers. The top chamber contains both a dependable peristaltic pump and powerful controller. The sampler's bottom chamber collects the sample in your choice of bottle configuration.

Sampling takes place in three steps: purge/rinse, intake, and rinse. You can repeat these steps up to three times before the sample is collected, giving you the most representative sample possible while reducing cross-contamination. A patented process automatically detects the suction height so you don't have to enter it. The self-learning software guarantees that the sample volume remains constant.

Intuitive operation with plain-text menus

Configure sampling programs using your choice of five different sampling modes. The software allows interval sampling, switchover and event functions. Run up to 24 sample programs at a time. You can sample based on continuous time, and have another input (like a flow meter or rain gauge) interrupt the time-based sampling and start an event-based sampling program. Once the event ends, it returns to the original sampling program. All samplers accept up to two external analog and two external binary control inputs.

The backlit graphic display provides excellent visibility in both dimly lit and bright areas. User-definable measuring menus let you see the values most important to you. In case of an alarm event, the display turns red and a programmable audible alarm sounds.

The tough ASA/polycarbonate housing has no outside screws, which prevents vandalism.

Controller features an integral data logger. Use the internal log books to store, recall or download all event inputs and sampling data statistics. Customize how your data is stored, and extract via an SD card for review later.

Samplers with Memosens inputs become a powerful central control unit for all of your water quality parameters

Liquistation samplers with Memosens inputs accept up to two external Memosens digital sensors to monitor and record your other water quality parameters. These sensors can be individual parameter measurements from around the facility, or triggers for immediate sampling in case of a sudden out-of-range reading. Browse our Process Analyzers section for Endress+Hauser Memosens sensors.

Includes: bottle(s), 33 ft of 3/8" ID PVC tubing, strainer, manual and CD-ROM with instructions in multiple languages.

Note: Many options are available, including various outputs, communication interfaces (Ethernet, Modbus, HART, webserver), and a vacuum pump unit. Contact USABlueBook for details.

Shipping: ships motor freight.



MFR #	DESCRIPTION	STOCK #	EACH
LIQUISTATION STATIONARY SAMPLERS			
CSF34-AA10B+AAP1	Sampler w/ 7.9-Gallon (30-L) Bottle	31286	\$
CSF34-AA10O+AAP1	Sampler w/ 24 1-L Bottles	31287	
LIQUISTATION STATIONARY SAMPLERS WITH MEMOSENS INPUTS			
CSF34-AA10B+AAMB1	Sampler w/ 7.9-Gallon (30-L) Bottle	31288	\$
CSF34-AA10O+AAMB1	Sampler w/ 24 1-L Bottles	31289	
REPLACEMENT PARTS			
71111176	1-L Angular Bottle, Pack of 24	41234	\$
71111172	30-L Bottle	17516	
71111191	Pump Head Tubing	17517	
71111233	Suction Tubing (33'L) & Strainer	17518	



Easy-to-use integral data logger



Features two separate doors for easy access and maintenance.

Ambient temperature limits:	-20 to 120°F (-30 to 50°C)
Temperature performance:	39°F (4°C) maintained ±3.6°F in ambient range 5 to 105°F
Maximum lift:	26 ft (at sea level)
Transport velocity:	>1.9 ft/sec
Sample volume:	10 to 10,000 mL
Accuracy:	±5 mL or 5% of set volume
Repeatability:	5%
Sample programming:	constant time/constant volume, variable time/constant volume, constant time/variable volume, external event. Group single and multiple samples in one program, and run up to 24 sub programs simultaneously.
Sample interval:	1 to 5999 minutes, 1.000 to 9999.000 m ³
Internal clock:	real time and date (daylight savings programmable)
Data logger:	1.2 million points (8 log books, up to 150,000 points each); user-definable sample time of 1 to 3600 seconds (1 hour)
Power requirements:	90-265 VAC, 50/60 Hz
Inputs:	2 analog (0/4-20 mA) and 2 pulse standard; 2 Memosens for digital sensors (select models)
Outputs:	2 digital (100 mA max. switching)
Dimensions:	32.1"W x 51.1"H x 24.6"D
Weight:	223 lbs