AS950
Portable Sampler

The AS950 Portable Sampler's lightweight design, low power requirements, and mobility make it a reliable collection tool for the field. Applications include stormwater, environmental, industrial pre-treatment, and evidence-gathering for viral assessment (COVID-19).

The AS950 is an essential tool for viral detection in wastewater:

• Representative sampling is critical to a reliable COVID-19 community spread program.

• COVID-19 sampling of wastewater helps in detection (days before symptoms).

• Simple setup with multiple power options:
  – Portable Compact Sampler Bundle, 12V, with 2.5 Gallon Bottle
  – Portable Compact Sampler Bundle, 115V, with 2.5 Gallon Bottle

For stormwater sampling, the Portable Sampler provides:

• Up to two different programs defined by user conditions (Rainfall or pH thresholds).

• Varying sample sizes at user-specified time intervals:

• Time-weighted or flow volume increments.

• Flow-weighted.

• Collection over an entire run-off event (determined by rain or flow sensor).

For industrial pre-treatment monitoring, the Portable Sampler features:

• A non-contact liquid detect to prevent cross-contamination.

• Quick pump tubing replacement with-out any tools.

• Optional pH sensor to initiate sampling when thresholds exceed your limits.

Key features:

• Standard memory and USB allow program uploads and data to be logged and transferred - no laptop needed!

• Large full-color intuitive display for virtually error-free programming.

• A rugged and reliable pump minimizes maintenance and downtime.

Three base sizes to meet various applications:

• Compact, for smaller, maintenance hole sampling.

• Standard, for the majority of applications.

• Large, for high capacity bottle composite sampling.

Learn More

Technical Data*

Sampler

Body material	Impact resistant ABS plastic, 3-section construction Double-walled base with 2.54 cm insulation, direct ice contact with bottles (Sampler)
Sample Container	STANDARD BASE CAPACITY: (24) 1 L (0.26 gal) polyethylene or (24) 350 mL (11.83 oz) glass bottles (8) 2.3 L (0.6 gal) polyethylene or (8) 1.9 L (0.5 gal) glass bottles (4) 3.8 L (1 gal) polyethylene or (4) 3.8 L (1 gal) glass bottles (2) 3.8 L (1 gal) polyethylene or (2) 3.8 L (1 gal) glass bottles (1) 21 L (5.5 gal) polyethylene composite bottle or (1) 15 L (4 gal) polyethylene composite bottle or (1) 20 L (5.25 gal) polyethylene or (1) 10 L (2.5 gal) polyethylene or (1) 10 L (2.5 gal) glass COMPACT BASE CAPACITY: (24) 575 mL (19.44 oz) polyethylene bottles (8) 950 mL (32.12 oz) glass bottles (1) 10 L (2.5 gal) polyethylene bottle (1) 10 L (2.5 gal) glass bottle COMPOSITE BASE CAPACITY: (1) 21 L (5.5 gal) polyethylene bottle ICE CAPACITY: Compact Base: 3.9 kg (8.5 lb.) with (24) 575 mL PE bottles Standard Base: 14.5 kg (32 lb.) with (24) 350 mL glass bottles
Temperature	Operating: 0 - 49 °C (32 - 120.2 °F) Storage: -40 - 60 °C (-40 - 140 °F)
Power Requirements (Voltage)	12 VDC
Dimensions	Standard Base: 50.5 cm x 69.4 cm (19.9 x 27.3 in.) Compact Base: 44.1 x 61 cm (17.4 x 24 in.) Composite Base: 50.28 x 79.75 cm (19.8 x 31.4 in.)
Weight	Standard: 15 kg (33.1 lbs) with 24x 1 L (0.26 gal) Polyethylene bottles; 14.8 kg (32.6 lbs) with 1x10 L (2.5 gal) Polyethylene bottle Compact Base: 12.2 kg (26.9 lbs) with 24x 575 mL (19.44 oz) Polyethylene bottles; 12.9 kg (28.4 lbs) with 1x 10 L (2.5 gal) Polyethylene bottle Composite Base: 15 kg (33.1 lbs) with 1x 21 L (5.5 gal) Polyethylene bottle

AS950 Controller

Housing Material	PC/ABS blend, NEMA 4X, 6, IP68, corrosion and ice resistant (Controller)
Display	1/4 VGA, Color; self-prompting/menu-driven program
User Interface	Membrane switch keypad with 2 multiple function soft keys
Lock Function	Access code protection prevents tampering
Memory	Sample history: 4000 records; Data log: 325,000 records; Event log: 2000 records
Communication Capabilities	USB and optional RS485 (Modbus)
Inputs	One 0/4-20 mA input for flow pacing
Certifications	Controller: CE, KC, RCM

Subject to change without notice.

Order Information

ASP.XXXXXXXXXX   Portable Sampler with AS950 Controller, available in various configurations and with several factory installed options. Please visit hach.com or contact Hach for more information.

Bases for Portable Sampler

8975	Compact insulated base for 900 series portable sampler
8976	Standard Insulated Base for 900 Series Portable Sampler
8561	Composite insulated base for 6 gallon polyethylene container.

Bottle Options and Accessories

1918	Bottle, 2.5 Gallon/10L, Polyethylene With Cap
6494	Container, 5.5 Gallon (21 Liter) Polyethylene
737	Set of (24) 1 Liter Polyethylene Bottles with Caps
1369	Bottle Set of 24, 575 mL, Polyethylene With Caps
2348	Bottle Set of 8, 950 mL, Glass with Caps
2189	Retainer for Set of 24 350 mL Glass Bottles
1422	Retainer for 8 or 24 Set Polyethylene/Glass Bottles
2347	Retainer/Positioner,(8) 950 mL Glass
1502	Container Support
8996	Tubing Support, full bottle shut off

Distributors

8582	Distributor for 24 Bottle Standard and 12 Bottle Bases
8580	Distributor with Arm for 24 Bottle Portable Compact Sampling
8584	Distributor with Arm for 2, 4 or 8 Bottle Sampling with Compact Portable Base

Tubing and Strainers

920	Vinyl Tubing, Intake, 3/8 inch Interior Diameter, 25 ft
922	7 m PTFE-lined Polyethylene tubing, 3/8" ID (requires Connection Kit 2186)
926	Strainer, PTFE/Stainless Steel
2070	Strainer, 1" outer diameter x 8" long, 316 SS
2071	Strainer, .406 Outer Diameter., 316 SS
2186	Connection Kit, PTFE/Polyethylene Tubing
4652	Strainer For High Velocity/Shallow Depth Applications
4600-15	Silicone Pump Tubing, 3/8" Inner Diameter, 15 ft. Roll
4600-50	Silicone Pump Tubing, 3/8" Interior Diameter, 50 ft. Roll
8964	Pump Tube Insert for Model 900 Portable Sampler
9501400	Pump tube insert, non-contact liquid detect

Inputs/Outputs

9494500	IO9001 Module (connects through auxiliary port), includes 1 relay (high voltage)
9494600	IO9004 Module (connects through auxiliary port), includes multiple 0/4-20 mA outputs and inputs
8528500	Cable, auxiliary, multi-purpose half, 7 pin, 2.7 m (9 ft)
8528501	Cable, auxiliary, multi-purpose half, 7 pin, 7.6 m (25 ft)

Accessories

1355	Portable Sampler Suspension Harness
9542	Manhole Support Bracket/Spanner, 18-27 Inches
9557	Manhole Support Bracket/Spanner, 28-48 Inches
5713000	Manhole Support Bracket, 18-27", for Portable Sampler
6987	Insulated Weatherguard Enclosure
6992	Insulated Weatherguard Enclosure
8713200	Solar Module, 10 Watt with Regulator
8754400	12 Volt Lead Acid Battery with 3 pin connector

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