

## AS950 All Weather Refrigerated Sampler



The AS950 All-Weather Refrigerated Sampler simplifies sampling with a large, full-color display for intuitive, single-screen programming, USB upload and download capabilities and the ability to copy programs sampler to sampler to save time on tedious programing, and an error alert and status screen to eliminate uncertainty and simplify troubleshooting.

The custom-designed air-sensing thermostat controls temperature in accordance with USEPA and international guidelines, preserving samples regardless of outside temperatures and conditions.

Hach's AWRS cabinet is designed to withstand harsh environments, while maintaining sample integrity. The cabinet itself features:

- An energy efficient top-mounted compressor that allows heat to escape into the air, rather than into the sampler cabinet
- IP24 rated enclosure that keeps out water and debris
- Optional battery backup and controller compartment heater

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## AS950 Refrigerated Sampler



The AS950 Refrigerated Sampler is an easy and reliable solution for sample collection. With its large and intuitive display, USB data transfer capabilities, and simple one-screen programming, you can save time and streamline the entire sampling process.

Additionally, the AS950 Refrigerated Sampler accurately preserves your samples with an air-sensing thermostat designed to meet international and USEPA guidelines.

Equipped with an error message for easy troubleshooting and corrosion-resistant materials, the AS950 Refrigerated Sampler is the ideal choice for consistent and accurate sampling. Its large, color display, and USB upload and download capabilities make sampling more convenient and efficient.

Even in challenging environments, the AS950 Refrigerated Sampler ensures sample preservation and eliminates uncertainty with an available error warning and status screen.

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**Technical Data\***

	AS950 All-Weather Refrigerated Sampler (AWRS)	AS950 Refrigerated Sampler
Body material	Low-density Polyethylene with UV inhibitor	22 Gauge Steel (optional Stainless Steel) with vinyl laminate over-coating (Sampler)
Refrigeration Components and Plumbing	Corrosion protected with conformal all exposed copper tubing is insulated to avoid sweating and condensation	Corrosion protected with conformal all exposed copper tubing is insulated to avoid sweating and condensation
Cooling system	Top mounted compressor and fan-forced air cooled condenser; 11/5 HP 115 VAC: 115 °C (239 °F) thermal overload protector, 7.1 locked rotor amps; 230 VAC: 120 °C (248 °F) thermal overload protector, 7.6 A peak start current; 3-sided wraparound plate type evaporator; Rigid foam insulation: 3 in. (7.6cm) sides, 5 in. (12.7cm) top, 6 in. (15.2cm) bottom; Lockable lid to prevent tampering with programming; Recovery Time: Sampler temperature recovers to 4°C within 5 minutes after door has been held open for one minute in 24°C (75°F) ambient environment while in an active cooling cycle; Pull Down Time: from 24°C (75°F) to 4°C (39°F), 20 minutes; Temperature Control: 4 (±0.8) °C (39 (±1.5) °F)	1/7 HP, 75 Watt, 400 BTU/hr compressor, 120 CFM condenser fan, three-sided wraparound plate type evaporator, rigid foam insulation, air sensing thermostat capable of maintaining sample liquid at 4°C (39°F) in ambient temperature to 49°C (120°F) maximum; accurate to ±0.8°C (1.5°F), magnetic door seal
Temperature	Operating: AWRS: 0 - 50 °C (32 - 122 °F) AWRS with optional controller compartment heater: -40 - 50 °C (-40 - 122 °F) AWRS with controller compartment heater and AC battery back up: -15 - 40 °C (5 - 104 °F) Storage: -30 - 60 °C (-22 - 140 °F)	Operating: 0 - 50 °C (32 - 122 °F) Storage: -40 - 60 °C (-40 - 140 °F)
Dimensions	76 x 81 x 130 cm (30 x 32 x 51 in.)	61 x 61 x 112 cm (24 x 24 x 44 in.)
Weight	86 kg (189.6 lbs)	63 kg (138.9 lbs)
Certifications	cETLus (115 V, 60 Hz model) CE (230 V, 50 Hz model)	Refrigerator: cULus (115 V, 60 Hz model) CE (230 V, 50 Hz model)  15 V Power Adapter: cETLus (115 V, 50/60 Hz model) CE (230 V, 50 Hz model)
Sample Container	SINGLE BOTTLE: (1) 10 L (2.5 gal) glass or polyethylene or (1) 21 L (5.5 gal) polyethylene  MULTIPLE BOTTLES: (2) 10 L (2.5 gal) polyethylene or glass (4) 10 L (2.5 gal) polyethylene or glass (8) 2.3 L (0.6 gal) polyethylene or (8) 1.9 L (0.5 gal) glass (12) 2 L (0.5 gal) polyethylene (24) 1 L (0.3 gal) polyethylene or (24) 350 mL (12 oz.) glass	
Power Requirements (Voltage)	115/230 VAC	
Power Requirements (Hz)	50/60 Hz	
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		

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