



## AS950 Refrigerated Sampler

|                         |                        |
|-------------------------|------------------------|
| <b>Proizvod #:</b>      | <b>ASR.XXXXXXXXXXX</b> |
| EUR Cijena:             | Kontaktirajte nas      |
| Otprema unutar 2 tjedna |                        |

### Sampling has never been this easy.

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.

Investing in the AS950 Refrigerated Sampler means you'll have an easier and more reliable way to collect samples. Start sampling with precision and confidence today by ordering yours.

#### **Easiest and Most Intuitive Operation**

The large full colour display and intuitive programming give you access to all your programmable criteria on a single screen - eliminating scrolling through menus and supporting error-free operation.

#### **Most convenient data transfer and programming available**

The AS950 is the only sampler that utilises a USB drive to upload and download data and copy programs from one sampler to another.

#### **Confidence in your sampling process**

The program status screen instantly communicates alarms, missed samples and program progress for quick and easy troubleshooting.

#### **Resists corrosion**

The refrigerated sampler base is designed to endure humid and highly corrosive environments, minimizing damage caused by corrosive gases, rodents, and standing water to guarantee environmental integrity.

#### **Accurate and consistent sample preservations**

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

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## Specifikacije

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|---------------------------------|---|
| Alarma:                         | Configurable alarms that show on status screen and are recorded in diagnostics alarm logs. Alarms can be set for system diagnostics and logging such as program end, sample complete, missed samples and full bottle. Channel alarms are setpoint alarms for the recorded measurements (channels), such as pH, level and power supply voltage.  |
| Bilježenje podataka:            | <p>SAMPLE HISTORY - Stores up to 4000 entries for sample time stamp, bottle number and sample status (success, bottle full, rinse error, user abort, distributor error, pump fault, purge fail, sample timeout, power fail and low main battery).</p> <p>MEASUREMENTS - Stores up to 325,000 entries for selected measurement channels in accordance with the selected logging interval.</p> <p>EVENTS - Ability to store up to 2000 entries in Sample History logging. Records Power On, Power Fail, Firmware Updated, Pump Fault, Distributor Arm Error, Low Memory Battery, Low Main Battery, User On, User Off, Program Started, Program Resumed, Program Halted, Program Completed, Grab Sample, Tube Change Required, Sensor Communication Errors, Cooling Failed, Heating Failed, Thermal Error Corrected.</p> |
| Certificiranja:                 | <p>Refrigerator:</p> <p>cULus (115 V, 60 Hz model)</p> <p>CE (230 V, 50 Hz model)</p> <p>15 V Power Adapter:</p> <p>cETLus (115 V, 50/60 Hz model)</p> <p>CE (230 V, 50 Hz model)</p>   |
| Dijagnostika:                   | View event and alarm logs as well as maintenance diagnostics  |
| Dimenzije:                      | <p>TWO SENSOR PORTS</p> <p>Accepts Hach digital Differential pH, Hach digital AV9000 analyzer with submerged area velocity flow and/or Hach digital US9000 ultrasonic level sensors</p>   |
| Dodaci:                         | When equipped with flow sensor or pH/temperature sensor or peripheral monitoring options, sampling can be triggered upon an upset condition when field selectable limits are exceeded   |
| Funkcija zaključavanja zaslona: | Access code protection prevents tampering   |
| Interval uzorka:                | Selectable in single increments from 1 to 9999 flow pulses or 1 to 9999 minutes in one minute increments  |
| Jezici:                         | en, fr, es, it, de, pt, zh, tr, hu, cz, pl, ro, hr, el, sl, sk, fi, ru, ja, ko  |
| Jezici korisničkog sučelja:     | Chinese, English, French, German, Italian, Spanish, Portuguese  |
| Manual sampling:                | Initiates a sample collection independent of program in progress  |
| Masa:                           | 63 kg   |
| Materijal kućišta:              | PC/ABS blend, NEMA 4X, 6, IP68, corrosion and ice resistant (Controller)  |
| Materijal tijela mjerača:       | 22 Gauge Steel (optional Stainless Steel) with Vinyl laminate over-coating (Refrigerator)   |
| Memorija:                       | <p>Sample history: 4000 records;</p> <p>Data log: 325,000 records;</p> <p>Event log: 2000 records</p>   |
| Mod rada:                       | Continuous or non-continuous  |
| Mogućnosti komunikacije:        | USB and optional RS485 (Modbus)   |

|                              |  |
|------------------------------|--|
| Način uzorkovanja:           | Pacing: Time Weighted, Flow Weighted, Time Table, Flow Table, Event  |
|                              | Distribution: Single bottle composite, multi-bottle composite, multi-bottle discrete, bottles per sample, samples per bottle or a combination of bottles per sample and samples per bottle   |
| Port senzora:                | 1  |
| Program stop opcija:         | Multiple Bottle Mode: After complete revolution of distributor arm (unless Continuous Mode is selected)  |
|                              | Composite Mode: After preset number of samples have been delivered to composite container, from 1 to 999 samples, or upon full container.  |
| Programs:                    | Dual Programs: Up to 2 sample programs can be run sequentially, in parallel, or according to day of week scheduling; enabling a single sampler to function like multiple samplers  |
| Pump flow rate:              | 4.8 L/min at 1 m vertical lift with 3/8" intake tube typical   |
| Rain gauge input:            | Ne   |
| Sample transport velocity:   | 0.9 m/s with 4.6 m vertical lift, 4.9 m of 3/8" Vinyl intake tubing, 21 °C and 1524 m elevation  |
| Spremnik za uzorke:          | SINGLE BOTTLE:<br><br>(1) 10 L Glass or Polyethylene, or 21 L Polyethylene<br><br>MULTIPLE BOTTLES:<br><br>(2) 10 L Polyethylene or Glass,<br><br>(4) 10 L Polyethylene or Glass,<br><br>(8) 2.3 L Polyethylene or 1.9 L Glass,<br><br>(12) 2 L Polyethylene,<br><br>(24) 1 L Polyethylene or 350 mL Glass                         |
| Status messages:             | Communicates what program is running, if there are any missed samples, when the next sample will be taken, how many samples remain, number of logged channels, time of last measurement, memory available, number of active channels, if alarms were triggered, when alarms were triggered, active sensors and cabinet temperature |
| Što je u pretincu:           | 1 ea. AS950 Refrigerated Controller  |
| Sučelje: jezici:             | ±1 second per day at 25 °C   |
| Suction Hose Outer Diameter: | 1/4" and 3/8" ID PTFE-lined Polyethylene with protective outer cover available in clear and black.   |
| Sustav za hlađenje:          | 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 in ambient temperature to 49 °C maximum; accurate to ±0.8 °C, magnetic door seal   |
| Temperatura:                 | Operating: 0 - 50 °C<br><br>Storage: -40 - 60 °C   |
| Točnost volumena uzorka:     | Typical: ±5% of 200 mL sample volume with: 4.6 m (15 ft) vertical lift, 4.9 m (16 ft) of 3/8- in vinyl intake tube, single bottle, full bottle shut-off at room temperature and 1524 m (5000 ft) elevation   |
| Ulazi:                       | One 0/4-20 mA input for flow pacing  |
| Ulazna cijev:                | Pump tubing: 9.5 mm ID x 15.9 mm OD Silicone<br><br>Intake tubing: 1.0 - 4.75 m minimum length, 1/4" or 3/8" ID Vinyl or 3/8" ID PTFE-lined Polyethylene with protective outer cover (black or clear)  |
| Ulazno ispiranje:            | Strainers: Choice of PTFE and 316 stainless steel construction, or all 316 stainless steel in standard size, high velocity, and low profile for shallow depth applications   |

Purge: Air purged automatically before and after each sample;

duration automatically compensates for varying intake line lengths

Rinse: Intake line automatically rinsed with source liquid prior to each sample, from 1 to 3 rinses

Retries or Fault: Sample collection cycle automatically repeated from 1 to 3 times if sample not obtained on initial attempt

User interface:

Membrane switch keypad with 2 multiple function soft keys

Vertical lift:

8.5 m using 8.8 m maximum of 3/8" Vinyl intake tube at sea level at 20 to 25 °C

Volumen uzorka:

Programmable in 10 mL increments from 10 - 10,000 mL

Vrsta baze:

Refrigerated

Vrsta sonde:

No

Zahtjevi napajanja (Hz):

50/60 Hz

Zahtjevi napajanja (voltaža):

115/230 V AC

Zaslona:

1/4 VGA, Color; self-prompting/menu-driven program

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## Što je u pretincu

1 ea. AS950 Refrigerated Controller