



# WS Series Autosamplers for COVID RNA

SIMPLIFYING WASTEWATER SURVEILLANCE WITH AUTOMATIC SAMPLING



WS755 ▲

## Don't get your hands dirty.

Automatic sample collection directly from the sewer.

YSI's **WS700 Series** of autosamplers feature timed and flow weighted sampling, allowing you to get the accurate results. For Covid detection, health authorities can install autosampler units along any part of the wastewater network, including individual buildings. With the WS700 series, you can collect consistent representative water samples from any wastewater network during peak usage hours.

Laboratory testing of these samples for Covid RNA can determine if an outbreak is present or if mitigation efforts should be directed elsewhere.



Rapidly deploy portable units for targeted outbreak monitoring



Automatically collect samples at times of peak water usage



Protect your team from hazardous sampling conditions



Avoid bias in your sampling with consistent processes



a xylem brand

# WS Series PORTABLE AUTOMATIC SAMPLERS



WS705 ▶



◀ WS700R

Sampler Selection Chart	WS700	WS705	WS750	WS755	WS700R
Time or Flow Weighted Sampling	•	•	•	•	•
Rugged Enclosure	•	•	•	•	•
Outputs for Data Loggers and Sensors	•	•	•	•	•
1 Pump	•	•			•
2 Pumps			•	•	
Composite OR Discrete Sampling	•	•			•
Composite AND Discrete Sampling			•	•	
Enhanced Portability		•		•	
Refrigerated					•

WS Series Specifications	
Operating Temperature	0° to +70°C
Materials	Enclosure: Expanded UV protected PVC
	Bottle: 2.5 gallon Polyethylene (WS700, WS705 & WS700R), two 1 gallon Polyethylene (WS750, & WS755)
	Pickup Hose: 15' reinforced PVC 1/4" ID polyethylene flexible tubing section with intake strainer
Sample Pump	Pump Tubing: Norprene® 1/4" ID, 7/16" OD
	Flow Rate: 1000 ml per minute at a 4 foot head
	Type: Peristaltic
Battery	Maximum Lift: ~20 feet
Battery Life	Rechargeable 5 AH Gel Cell
	WS700, WS705 & WS700R: ~1 hour continuous pumping under load
	WS750 & WS755: ~½ hour continuous pumping under load
Start Delay	Standby: 3 months while still retaining enough power to run the pump to capacity is required
Composite Interval	16 time settings from 0 to 12 hours
Sample Size	15 time settings from 5 min. to 12 hours plus an external trigger mode setting
External Trigger Input(s)	15 composite sample sizes from 50ml to 2 liters plus a full bottle discrete setting (approximate sizes at 4 foot head)
Pulse Output(s)	250mS minimum pulse width switch closure or 4 to 24VDC
Bottle Switch Input(s)	5VDC one-second pulse, 1000ohm output impedance
Rain and Water Sensors	Switch closure input, float switch in bottle
Internal Fuse	Optional moisture sensors or switch closure inputs
Certificates	10A Slow-Blow
Dimensions	Certificates
	CE Compliance
Weight	WS700, WS705, WS750, WS755: 22"H X 17"W X 9"D (56 x 43 x 23 cm)
	WS700R: 26.25"H X 20.5" W X 21.25"D (10 x 8 x 8.5 cm)
	WS700 & WS705: 20 lbs/9 kg (shipping weight 22 lbs/10 kg)
	WS750 & WS755: 22 lbs/10 kg (shipping weight 24 lbs/11 kg)
	WS700R: 38 lbs/17 kg (Shipping Weight 43lbs/19.5 kg)

## Included

- 15' of sampling hose
- Intake strainer for each pump
- 1 gallon polybottle for each pump (WS750, WS755)
- 2.5 Gallon Polybottle for each pump (WS700, WS705 & WS700R)
- Rechargeable battery
- Portable charger

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Who's  
Minding  
the Planet?®



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