

## WS700R Refrigerated Wastewater Sampler



- Ideal for refrigerated wastewater, industrial and environmental sampling
- Simple to operate – no programming required
- Rugged construction for harsh environments
- Meets federal, state and local wastewater regulations
- Timed and external flow pulsed composite samples
- Adjustable and repeatable sample volume
- Peristaltic pump prevents sample contamination

### Specifications

*Operating Temperature:* 0° to +70°C

*Size of unit:* 27"H X 20"W X 20"D

*Weight:* 40lb (Shipping Weight 42lb)

*Materials:*

*Enclosure:* Expanded UV protected PVC

*Bottle:* 2.5 gallon Polyethylene

*Pickup Hose:* 15' reinforced PVC 1/4" ID polyethylene flexible tubing section with intake strainer

*Pump Tubing:* Norprene 1/4" ID, 7/16" OD

*Sample Pump:*

*Flow Rate:* 1000 ml per minute at a 4 foot head

*Type:* Peristaltic

*Maximum Lift:* ~20 feet

*Power:* Internal 12V Rechargeable Battery with AC 120 VAC adapter/charger

*Standby:* 3 months while still retaining enough power to run the pump to capacity

*Start Delay:* 16 time settings from 0 to 12 hours

*Composite Interval:* 15 time settings from 5 min. to 12 hours plus an External Trigger mode setting

*Sample Size:* 15 composite sample sizes from 50ml to 2 liters plus a Full Bottle discrete setting (Approximate sizes at 4 foot head)

*External Trigger Input:* 250mS minimum pulse width  
Switch closure or 4-24VDC

*Pulse Output:* 5VDC one-second pulse  
1000ohm output impedance

*Bottle Switch Input:* Switch closure Input  
Floating read switch in bottle

*Rain and Water Sensors:* Optional moisture sensors or switch closure inputs

*Internal Fuse:* 10A Slow-Blow

### Description

The WS700R Refrigerated Wastewater Sampler's state of the art water sampler controller gives you complete control over your water sampling process. With the water sample size control, you can take individual time-weighted composite samples or full-bottle discrete grab samples in a 2 gallon sample bottle. The water sample interval control allows you set the time between individual refrigerated composite samples or enable the external trigger mode for flow proportional sampling. A start delay timer allows you to start multiple WS700Rs in the field at the same time, or to delay drawing a water sample after a triggering event so that your water sample better represents the water source. An automatic 15 second backflush cycle clears any debris from the strainer and empties the water from the hose so the next refrigerated composite sample is not contaminated.

#### Overflow Protection

The WS700R's sample bottle is equipped with a float switch that automatically turns off the peristaltic sampling pump if the water bottle becomes full.

#### Flow Proportional Sampling

An external pulse type flow meter can control sample interval for true flow proportional water sampling. Global Water's Open Channel Flow Monitor has a flow-proportional output signal for triggering WS700Rs.

### Options and Accessories

**WS700R** Refrigerated Wastewater Sampler

**WSSWK** Stormwater Kit

Includes CA0400 Rain Sensor, CA0500 Flow Sensor and RG333 Auto-drain Rain Gauge

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