

# WS705 Improved Composite/Discrete Water Sampler



- Ideal for refrigerated wastewater, industrial and environmental sampling
- Quick disconnect pickup hose conveniently stored inside the enclosure for easy transport
- Simple to operate – no programming required
- Heavy duty wheels and retractable handle built in
- Timed and external flow pulsed composite samples
- Enclosed battery compartment and smart battery charger to improve battery life

## Description

The WS705 single-bottle composite/discrete water samplers combine all the features needed to meet a wide variety of water sampling requirements, including those for stormwater, industrial discharge, water/wastewater treatment, waste collection systems, and rivers.

### Improved Water Sampler Enclosure

The WS705's rugged rainproof enclosure can be padlocked and/or chained to prevent tampering. The case can be easily hidden or camouflaged to prevent vandalism. They are lightweight enough that even with a full sample bottle they can be suspended, from the over-molded handle on top, in a manhole for wastewater or stormwater sampling. The enclosure features heavy duty polyurethane wheels and a retractable extension handle for easy transport. The pickup hose comes with quick disconnect fittings which allows it to be disconnected from the WS705 and conveniently stored inside the enclosure when being moved or when not in use.

### Sampler Power

The WS705's 5 AH rechargeable battery will power the sampler for several months or several sampling events. The sealed gel-cell battery and BC100 smart charge controller are contained in a separate battery box inside the unit's main enclosure to isolate and protect electrical connections. The included smart charger prevents overcharging and greatly extends battery life over other charging methods. Optional AC and solar panel charging options are available.

## Specifications

**Operating Temperature:** 32° to +158°F (0° to +70°C)

### 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 ft (6 m)

**Battery Life:** ~1 hour, continuous pumping under load

**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 50 ml 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

**Size of unit:** 22x18x10 inch (56x45.7x25.4 cm) (HxWxD)

**Weight:** 26 lb (11.7 kg) (Shipping Weight 28 lb (12.7 kg))

## Options and Accessories

### WS705 Improved Composite/Discrete Water Sampler

### WSSWK Stormwater Kit

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

For other parts and options please visit our website.

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