

Ultra-Compact Composite Sampler



- **Collect** composite samples in container of your choice
- **Comply** with NPDES and SPDES permit requirements
- **Chill or refrigerate** composite sample in ice chest or refrigerator
- **Time** or flow-proportioned samples
- **Simplify** procedures to avoid operator errors and missed samples



Sentry Composite Sampler



Installed on a standard undercounter refrigerator drilled for inlet hose

The Sentry is designed to be flexible. It can be used as a refrigerated wastewater sampler or a compact, portable sampler. Roughly the size of a shoe box, the Sentry can operate vertically or horizontally and only weighs 10 pounds.

Composite samples are collected based on time or flow-proportioned by connecting to a suitable flow measurement system.

The addition of an ice chest or refrigerator to preserve the composite sample makes a low-cost, custom sampling system.

The no-nonsense design means that you don't have to be a weight-lifter to carry it, a computer expert to program it, or have an unlimited budget to afford it.

The Sentry collects composite samples in the container of your choice from one gallon to a 55 gallon barrel. AC and DC operation supported.



Operating in the field on a 12V battery mounted on a modified ice chest.

SENTRY



SENTRY

Sentry Technical Specifications

CASE

Screw-sealed, gasketed fiberglass NEMA 4X, with clear Polycarbonate cover.
Dimensions: 12-1/2" high, 10-1/2" Wide, 7-3/4" Deep. Weight: 10 lbs

SAMPLER CONTROL PROGRAMMING

Samples per hour switch:

1, 2, 4, or 8 samples/hour or 1 sample every 2 or 3 hours

Function switch:

Selects sample size and purge mode (Before/After/Both)

Cycle switch:

Used to set system to turn off automatically in 3, 6, 12, 24, 48 or 72 hours.

Reset button on side:

Resets cycle time when sample is picked up without opening programmer cover.

Power switch: AC - OFF - DC

Circuit protection: 5 AMP fuse

PUMP

Type: Peristaltic

Material: Polycarbonate and stainless steel

Bearings: Low-friction stainless steel ball bearings

Tubing: Silicone rubber (medical grade)

Flow rate: 1350 ML/minute at 3' head

Inlet velocity: 1.5'/second at 3' head

Lift: 20 feet

POWER REQUIREMENTS

Line: 115-230 VAC, 50-60 HZ

Battery: 12 VDC, 45 mA continuous, 1 A maximum

FLOWMETER CAPABILITY

Operates in conjunction with any flowmeter providing a momentary unpowered switch closure every preset number of gallons. (Requires optional Proportional Cable)

**Sample container not included as standard.
User provided or available as an option.**

OPTIONS:

- | | |
|--------|---|
| 20-038 | 20' Inlet Tubing with stainless steel inlet weight |
| 19-002 | 1 gallon HDPE jar with lid |
| 19-003 | 2 gallon rectangular polyethylene carboy with handle |
| 15-508 | Auxiliary Battery Cable (for user supplied 12 volt battery) |
| 15-010 | AC/Proportional Cable |
| 15-518 | DC/Proportional Cable |

See current price list for all available options

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