

# SENTRY

Compact, Automatic Composite Sampler



- **SIMPLE**
- **RELIABLE**
- **ECONOMICAL**

SAMPLING FOR  
Wastewater treatment  
Industrial pretreatment  
Compliance monitoring

**N-CON**

Since 1967

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# TECHNICAL SPECIFICATIONS

## SAMPLER CONTROL

|            |  |
|------------|--|
| Enclosure  | • NEMA 4X fiberglass enclosure with clear, polycarbonate quick access window |
| Control    | • Microcontroller with simple knob controls and external cycle reset button  |
| Dimensions | • 12.5" H x 10.5" W x 7.75" D (10 lbs.)                                      |

## COMPOSITE SAMPLE CYCLE OPTIONS

|                |   |
|----------------|---|
| Time based     | • 1, 2, 4 samples/hour or 1 sample every 2 or 3 hours   |
| Flow based     | • Contact closure trigger (user provided flow meter) with optional AC or DC Proportional Cable                |
| Purge          | • Option to purge before, after or before and after sample  |
| Cycle duration | • Turns off automatically after 4, 8, 12, 24, 48, 72 hours OR continuous operation with optional float switch |
| Sample volume  | • User-defined via simple calibration setting   |



*Sample setting clearly indicated with no programming required to operate.*

## PERISTALTIC PUMP

|             |   |
|-------------|---|
| Material    | • Clear, polycarbonate shell with all stainless steel bearings and rollers for corrosion-free operation |
| Tubing      | • 3/8" ID high-performance, peroxide-cured silicone   |
| Lift        | • Maximum 20 ft.  |
| Flow Rate   | • 1,350 ml/min at 3' of lift in compliance with EPA minimum transport velocity of 2 ft/sec.             |
| Maintenance | • Quick tubing change with two thumbscrews  |

## ELECTRICAL REQUIREMENTS

|                    |   |
|--------------------|---|
| AC Operation       | • 120 VAC, 60 Hz  |
| DC Operation       | • Operates on user-supplied 12 volt battery with optional Auxiliary Battery Cable |
| Circuit Protection | • 5 amp system fuse   |

## REFRIGERATION OPTIONS

|               |   |
|---------------|---|
| User-supplied | • Use any standard refrigerator that can accommodate a 1/2" hole in top (self-installation kit available PN 01-096) |
|---------------|---|

# SIMPLE, STRAIGHT FORWARD OPERATION

# N-CON

## INSTALLATION OPTIONS

The SENTRY Sampler is designed for permanent indoor installation or outdoor operation in a sheltered setting.

- |                         |   |
|-------------------------|---|
| Wall/Pole Mounting      | • Easily wall-mounted with optional wall or pole mounting kit   |
| Refrigerator Mounting   | • Install horizontally on any standard refrigerator which can accommodate a 1/2" hole for delivery tubing |
| Outdoor Installation    | • An enclosed shelter is required.  |
| Operational Temperature | • 32-128° F ambient   |

## N-CON SENTRY SAMPLER

**00-630** N-CON Sentry Sampler with the following accessories:

- 8' AC Cable
- 4' delivery and inlet tubing with quick connect fittings
- Spare parts kit: 5 amp fuse, spare pump tube
- User manual

## SAMPLE BOTTLE OPTIONS\*

- |               |   |
|---------------|---|
| <b>19-002</b> | 1 gallon HDPE wide-mouth jar with lid               |
| <b>19-080</b> | 1 gallon glass wide-mouth jar with lid              |
| <b>19-003</b> | 2 gallon HDPE rectangular carboy with cap           |
| <b>19-004</b> | 2 gallon glass round carboy (removable wire handle) |
| <b>19-005</b> | 5 gallon polypropylene wide-mouth round carboy      |

## ACCESSORIES

- |               |   |
|---------------|---|
| <b>20-038</b> | 20' Inlet tubing with stainless steel inlet weight          |
| <b>15-508</b> | Auxiliary Battery Cable (for user provided 12V battery)     |
| <b>15-010</b> | AC/Proportional Cable (for use with flow meter on AC power) |
| <b>15-518</b> | DC/Proportional Cable (for use with flow meter on DC power) |
| <b>20-059</b> | Float cut-off switch/cap                                    |
| <b>01-003</b> | Wall Mounting Kit (any flat surface vertical or horizontal) |
| <b>01-043</b> | Pole Mounting Kit (up to 5" diameter)                       |



*The SENTRY sampler can be wall or pole-mounted and used with any refrigerator that can accommodate a 1/2" hole.*

**\*No sample container included as standard. Use your own sample containers or select from the options.**

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