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ISO 9001
ISO 14001
Yellow Springs Facility

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Who's Minding the Planet, and
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handheld
quick select guide

	pH100	DO200	EC300	pH10	ORP15
Temperature	☐	☐	☐	☐	☐
Dissolved Oxygen (% and ppm)		☐			
Conductivity			☐		
Specific Conductance			☐		
Salinity			☐		
TDS (Total Dissolved Solids)			☐		
pH	☐			☐	
ORP (mV)	☐				☐
Memory				☐	☐
DO Cap Membranes		☐			
Detachable Cables with Probes	☐	☐			
Replaceable Electrodes (no cable)				☐	☐
Optional Hard-Sided Carrying Case	☐	☐	☐		
Optional Soft, Form-Fitting Carrying Case	☐	☐	☐		
Optional Soft-Sided Carrying Case	☐	☐	☐		☐

EcoSense®
products

affordable,
compact
water-sampling
instruments

EcoSense®

affordable, compact water-sampling instruments

I am proud to introduce our EcoSense® brand of instruments, including three new handhelds, two pen-style testers, two photometers, and accessories.

Years of proven sensor technology have gone into the development of EcoSense for one purpose — to provide a wide-range of underserved markets with affordable, compact water-sampling instruments that deliver the best quality data possible.

To meet the unique requirements for a broad range of applications and markets, EcoSense products offer accurate data, lasting durability, and affordability as defined by low cost of ownership and reduced need for maintenance.

EcoSense instruments have been equipped with only the most fundamental of features to deliver on this strategy. There is no excess, which means no extra costs and no added complexity. Just a new family of products with proven, easy-to-use technology for sampling in just about any environment.

We invite you to see for yourself.

Sincerely,

Timothy A. Grooms
EcoSense Product Manager

Applications

Agriculture, Aquaculture, Aquariums, Education, Food & Beverage, Golf Courses, Greenhouses, Hydroponics, Industrial, Nurseries, Spas, Surface Water, Swimming Pools, Wastewater, Wineries, Zoos

Parameters

Alkalinity, Aluminum, Ammonia, Boron, Bromine, Calcium Hardness, Chloride, Chlorine, Chlorine Dioxide, Chromium, Conductivity, Copper, Color, Cyanuric Acid, DO (dissolved oxygen), Fluoride, Hardness, Hydrogen Peroxide, Hydrazine, Iron, Magnesium, Manganese, Molybdate, Nickel, Nitrate, Nitrite, Organophosphate, ORP (oxidation reduction potential), Ozone, pH, Phenol, Phosphate, Potassium, Salinity, Silica, Specific Conductance, Sulfate, Sulfide, Sulfite, TDS (total dissolved solids), Temperature, Zinc

Newport Aquarium
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[800.897.4151 US]
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EcoSense®
handhelds

Our compact EcoSense handhelds feature an easy-to-use interface, one-hand operation, water-resistant case, one-year warranty, and the best data in the business.

accessories

pH100

Designed for simple, one-handed spot sampling, the compact pH100 provides quick, accurate results in an economical platform across a multitude of applications.

The pH100's low cost of ownership is highlighted by its economical list price, competitively priced probes, and rugged reliability (meaning less down time).

Applications
Agriculture, Aquaculture, Aquariums, Education, Food & Beverage, Greenhouses, Hydroponics, Nurseries, Wineries, Zoos

Parameters
pH, Temperature, mV

Standard Features:
- Parameters: pH, Temperature, and mV
- Watertight case meets IP-65 specs
- 1-year instrument warranty
- Internal buffer recognition
- Auto or manual temperature compensation
- Single- or dual-parameter sensor availability
- CE compliance
- Low-battery indicator
- Submersible waterproof cable

112-1 flat glass probe

111-1 piercing probe

pH160 Simulator

180 carrying case

pH100	
100-1	1 meter waterproof Y-cable with combo pH electrode and temperature
100-4	4 meter waterproof Y-cable with combo pH electrode and temperature
110-1	1 meter combo pH electrode
111-1	1 meter, double junction, piercing tipped pH probe and cable
112-1	1 meter, double junction, flat glass pH probe and cable
115-1	1 meter combo mV electrode
130-1	1 meter temperature probe
160	pH 4,7, 10 electrode simulator
440	Cable weight for 100-1 and 100-4 cables
180	pH instrument hard, side carrying case
480	Soft, black shoulder harness carrying case
485	Soft-sided carrying case
pH100CC-01	Kit- pH100, 100-1, 180
pH100CC-04	Kit- pH100, 100-4, 180

DO200

The DO200 offers fast Dissolved Oxygen response times in wastewater, surface water and aquaculture applications. Calibrates easily in a saturated air environment and displays either % oxygen saturation or ppm (mg/L) values, giving you the best DO data quality possible.

Can also be used as a laboratory BOD instrument when used with the YSI 200-BOD probe.

Applications
Aquaculture, Aquariums, Education, Surface Water, Wastewater, Wineries, Zoos

Parameters
DO, Temperature

Standard Features:
- Parameters: DO and Temperature
- Watertight case meets IP-65 specs
- 1-year instrument, DO Electrode, and cable warranty
- 450 hour battery life
- Screw-on cap membrane
- Read in either mg/L or % saturation
- Salinity and pressure compensation
- 4- or 10-meter cable lengths
- Long-lasting polarographic electrodes

200-BOD (self-stirring probe)

485 soft-sided carrying case (for pH100, DO200, and EC300)

DO200	
200-4	4 meter cable and probe
200-10	10 meter cable and probe
200-BOD	Self-stirring BOD probe, 115V
200-BOD -230V	Self-stirring BOD probe, 230V
280	Do instrument hard, side carrying case
480	Soft, black shoulder harness carrying case
485	Soft-sided carrying case
DO200CC-04	Kit- DO200, 200-4, 280
DO200CC-10	Kit- DO200, 200-10, 280

EC300

Like all EcoSense instruments, the EC300 is designed for affordable, simple, one-handed operation in a multitude of applications. It measures Conductivity, Specific Conductance, Salinity, TDS, and Temperature.

The EC300 features a super-stable, four-electrode conductivity cell for true field applications.

Applications
Agriculture, Aquaculture, Aquariums, Education, Food & Beverage, Greenhouses, Hydroponics, Industrial, Nurseries, Surface Water, Zoos

Parameters
Conductivity, Specific Conductance, Salinity, TDS, Temperature

Standard Features:
- Parameters: Conductivity, Salinity, TDS, Specific Conductance, Temperature
- Watertight case meets IP-65 specs
- 1-year system warranty
- Rugged weighted probe assembly
- Automatic temperature compensation
- 4- or 10-meter cable lengths
- Low-battery indicator

480 form-fitting case (for pH100, DO200, and EC300)

EC300	
300-4	4 meter cable and probe
300-10	10 meter cable and probe
380	Hard-sided carrying case
480	Soft, black shoulder harness carrying case
485	Soft-sided carrying case
EC300CC-04	Kit- EC300, 300-4, 380
EC300CC-10	Kit- EC300, 300-10, 380

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EcoSense®
pens

EcoSense pens offer the ultimate in convenient, low-cost water sampling. Featuring light weight but durable construction, accuracy you can depend on, and the easiest to use data collection available.

Visit www.ysiecosense.com for application stories.

pH10

Applications
Agriculture, Aquaculture, Aquariums, Education, Food & Beverage, Greenhouses, Hydroponics, Nurseries, Spas, Swimming Pools, Wastewater, Wineries, Zoos

Parameters
pH, Temperature

The pH10 is the perfect instrument for economical spot sampling of pH and Temperature in applications such as wastewater, surface water, aquaculture, hydroponics, pools, and education.

This ultra-compact instrument even includes a graphic display with on-screen instructions.

Standard Features:
• Parameters: pH and Temperature
• Waterproof case meets IP-67 specs
• 1-year instrument warranty
• Automatic calibration and internal buffer recognition
• Replaceable electrode
• 50-set memory (pH, temperature, date, and time stamp)
• GLP functionality
• 1-, 2-, or 3-point calibration
• Hold feature locks stable readings on display

ORP15

Applications
Aquaculture, Food & Beverage, Industrial, Spas, Swimming Pools, Wastewater

Parameters
ORP (relative or absolute), Temperature

The new ORP15 offers accurate, low-cost measurement of ORP (absolute and relative mV) and temperature. Measuring these parameters in a pen-style instrument that's also simple and compact means you get the most convenient sampling method available.

The ORP15 is an easy-to-use mV instrument for food (such as vegetable washing and sanitizers), swimming pools, wastewater, and aquaculture. And its many features allow for a low cost of ownership for the life of the product.

Standard Features:
• Parameters: ORP, Temperature
• IP-67 waterproof housing
• 1-year instrument and 6-month electrode warranty
• Replaceable electrodes
• 50-set memory
• Absolute and relative mV readings
• Low-battery indicator
• Hold feature locks readings on display
• Graphic display with on-screen instructions

accessories

pH10

605113	Replacement pH Electrode Module
605116	Double Junction pH Electrode
605129	Carrying case, soft-sided
580	Soft-sided carrying case

ORP15

605123	Replacement pH Electrode Module
605129	Carrying case, soft-sided
580	Soft-sided carrying case

605116 double junction pH electrode

580 soft-sided carrying case (for pH10 and ORP15)

4

EcoSense®
photometers

9500

The YSI 9300 and 9500 both feature a graphic, backlit display, on-screen instructions, a waterproof case, various diameter sample tube holder, multiple languages, 100+ test options, and direct reading concentrations.

The YSI 9500 has additional features that include a waterproof USB that can also be used for power, 500 data-set memory, and several user-selectable options.

Applications
Agriculture, Aquaculture, Aquariums, Education, Food & Beverage, Greenhouses, Hydroponics, Nurseries, Spas, Swimming Pools, Wastewater, Wineries, Zoos, Surface Water, Industrial

Parameters
Alkalinity, Aluminum, Ammonia, Boron, Bromine, Calcium Hardness, Chloride, Chlorine, Chlorine Dioxide, Chromium, Copper, Color, Cyanuric Acid, Fluoride, Hardness, Hydrazine, Hydrogen Peroxide, Iron, Magnesium, Manganese, Molybdate, Nickel, Nitrate, Nitrite, Organophosphate, Ozone, pH, Phenol, Phosphate, Potassium, Silica, Sulfate, Sulfide, Sulfite, Zinc

9300

Standard Features:
• On-screen instructions walk you through the tests improving data quality and saving time
• Long shelf life reagents are safe and can be shipped as non hazardous
• IP-67 waterproof cases enables instrument use in harsh field conditions
• Includes accessories and hard-sided carrying case to protect your investment

accessories

9300 and 9500

YPT804	Color Standard Kit
YPMXXX*	Starter Packs with 50 Tests
YAPXXX*	Replacements Packs with 250 tests

* XXX indicates there is a three digit number associated with each separate parameter, for a complete list visit www.ysiecosense.com