

YSI 556 MULTI PROBE SYSTEM

Easy-to-use, easy-to-read handheld unit with all the functionality of a complex multiparameter system. Featuring a waterproof, impact-resistant case, the YSI 556 Multi-Probe System simultaneously displays Dissolved Oxygen, pH, Conductivity, Temperature, ORP, Salinity, and TDS. Purchase probe modules separately with the cable length you require. Available with or without a built-in barometer. With a 512K memory, the instrument can store up to 49,000 data sets with time and date stamp. Compatible with EcoWatch for Windows data analysis software. GLP conforming. Instrument includes large soft-sided carrying case and is powered by 4 alkaline C batteries or optional rechargeable pack.



- Field-replaceable electrodes
- Screw-on DO membrane caps
- RS232 interface for PC connection
- Three-year warranty on the instrument; one year on the probes



Description	NCL #	Price/ea
Instrument without built-in barometer	YSI-556	1575.00
Instrument with built-in barometer	YSI-556B	1795.00
DO/Temp/Conductivity with 12 ft. cable	YSI-5563-4	895.00
DO/Temp/Conductivity with 30 ft. cable	YSI-5563-10	985.50
DO/Temp/Conductivity with 60 ft. cable	YSI-5563-20	1075.00
pH kit	YSI-5564	228.00
pH/ORP kit	YSI-5565	306.00
Optional rechargeable battery pack kit	YSI-6118	350.00
Flow Chamber	YSI-5083	395.00
Hands-free harness	YSI-5085	30.00
EcoWatch for Windows	YSI-6075	99.00
Membranes for DO sensor (pk of 6)	YSI-5909	48.60

YSI PROFESSIONAL PLUS

- * Accommodates any combination of Pro Series probe, cable, and accessory
- * Multiparameter instrument accommodates up to 4 probes at one time. ****Only with Quatro cables. Other cables accommodate 1 or 2 probes plus temperature probe.**
- * Select from: DO, pH, Conductivity, ORP, Ammonium, Nitrate, Chloride probes. Salinity, and TDS are calculated from conductivity and temperature
- * Choice of polarographic or galvanic probes for DO
- * Also displays Barometric Pressure from built-in calibrateable barometer
- * Interchangeable probes and cables
- * 2000 data-set memory with GLP event logging (Interval or on-command)
- * Rubber, over-molded IP-67 water-proof case
- * 3 year instrument warranty; 2 year cable warranty
- * User-upgradeable software via USB
- * Backlit display and keypad
- * Rugged cables, connectors, and probes
- * Easy-to-use software to manage all your data, set-up instruments, or conduct real-time studies
- * EPA Approved DO Methodology



Specifications	Temperature (field)	Temperature (lab)	Barometer
Range	-5 to 70°C	-5 to 70°C	375 to 825 mm Hg
Accuracy	±0.2°C	±0.35°C	±3 mm Hg
Resolution	0.1°C	0.1°C	0.1 mm Hg



Follow these steps to customize your instrument:



Order Meter

Description	NCL #	Price/ea
Professional Plus Meter (Includes data manager software, communications saddle, and USB cable)	YM-605	967.50





Step 2 Order Cable(s)

Laboratory Cables with Probes attached



Description	NCL #	Price/ea
1 m cable with pH/Temp probe	YC-5107A	166.25
4 m cable with pH/Temp probe	YC-5107B	185.25
1 m cable with ORP/Temp probe	YC-5108A	187.15
4 m cable with ORP/Temp probe	YC-5108B	223.25
1 m cable with pH/ORP/Temp probe	YC-5109A	280.25
4 m cable with pH/ORP/Temp probe	YC-5109B	299.25

- * All cables include temperature
- * Cables over 1 meter include cable management kit
- * Cables with conductivity include probe (no need to order conductivity probe)
- * Cables for ISE probes will also accommodate pH probes

Field Cables

Cable for Pro Plus	1 m	4 m	10 m	20 m	30 m
pH or ISE No probes incl. Has one port for pH or ISE probes.	YC-510-1 232.75	YC-510-4 237.50	YC-510-10 280.25	YC-510-20 332.50	YC-510-30 422.75
DO No probes incl. Has one port for DO probe.	YC-520-1 232.75	YC-520-4 237.50	YC-520-10 280.25	YC-520-20 332.50	YC-520-30 422.75
Conductivity Incl. cond/t probe. No spare ports.	YC-530-1 280.25	YC-530-4 280.25	YC-530-10 332.50	YC-530-20 375.25	YC-530-30 470.25
ISE/ISE No probes incl. For use with two ISE or one ISE and one pH probe.*	YC-1010-1 498.75	YC-1010-4 508.25	YC-1010-10 555.75	YC-1010-20 650.75	YC-1010-30 755.25
ISE/DO No probes incl. For use with one DO and one ISE probe.	YC-1020-1 498.75	YC-1020-4 508.25	YC-1020-10 555.75	YC-1020-20 650.75	YC-1020-30 755.25
ISE/Conductivity Incl. cond/t probe. For use with one ISE probe.	YC-1030-1 403.75	YC-1030-4 403.75	YC-1030-10 451.25	YC-1030-20 498.75	YC-1030-30 593.75
DO/Conductivity Incl. cond/t probe. For use with one DO probe.	YC-2030-1 565.25	YC-2030-4 565.25	YC-2030-10 622.25	YC-2030-20 660.25	YC-2030-30 755.25
Quatro Cable (ISE/ISE/DO/Conductivity) Incl. cond/t probe. For use with one DO and two ISE or pH probes.	YSI-5790-1 1147.50	YSI-5790-4 1165.50	YSI-5790-10 1215.00	YSI-5790-20 1305.00	YSI-5790-30 1417.50

*the pH/ORP probe will NOT work on this cable.

(Continued on the following 2 pages)



Step 3 Order Probe(s)



AMMONIUM SENSOR TYPE ION SELECTIVE ELECTRODE

Range: 0 to 200 mg/l-N, 0 to 40°C
 Accuracy: ±10% of reading or 2 mg/l-N
 Resolution: 0.1 mg/l
 Units: mg/l-N, mv
 Calibration: 1, 2, or 3 point (user selectable)
 Max Depth: 17 meters submersion

YP-5104 313.50

NITRATE SENSOR TYPE ION SELECTIVE ELECTRODE

Range: 0 to 200 mg/l-N, 0 to 40°C
 Accuracy: ±10% of reading or 2 mg/l-N
 Resolution: 0.1 mg/l
 Units: mg/l-N, mv
 Calibration: 1, 2, or 3 point (user selectable)
 Max Depth: 17 meters submersion

YP-5106 313.50

DISSOLVED OXYGEN SENSOR TYPE POLAROGRAPHIC OR GALVANIC

Range: 0 to 50 mg/l
 Accuracy: 0 to 20 mg/l (±2% of the reading or 0.2 mg/l, whichever is greater)
 20 to 50 mg/l (±6% of the reading)
 Resolution: 0.1 or 0.01 mg/l (user selectable); 0.1% air saturation
 Calibration: 1 point and zero

Galvanic DO YP-5202 156.75
Polarographic DO YP-5203 156.75
Self-Stirring BOD YP-5780 660.25



CHLORIDE SENSOR TYPE ION SELECTIVE ELECTRODE

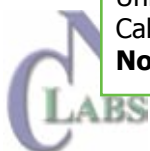
Range: 0 to 1000 mg/l, 0 to 40°C
 Accuracy: ±15% of reading or 5 mg/l
 Resolution: 0.1 mg/l
 Units: mg/l-Cl⁻, mv
 Calibration: 1, 2, or 3 point (user selectable)
 Max Depth: 17 meters submersion

YP-5105 313.50

CONDUCTIVITY SENSOR TYPE FOUR ELECTRODE CELL

Range: 0 to 200 mS/cm
 Accuracy: ±0.5% of reading (4 m cable)
 ±0.1% of reading (20 m cable)
 Resolution: 0.001mS/cm to 0.1 mS/cm
 Units: µS, mS
 Calibration: 1 point

No need to order: included with conductivity cable



TOTAL DISSOLVED SOLIDS	ORP SENSOR TYPE PLATINUM BUTTON
Range: 0 to 100 g/l	Range: -1999 to +1999 mv
Cal constant range: 0.30 to 1.00 (0.64 default)	Accuracy: +/- 20 mV in redox standards
Resolution: 0.001, 0.01, 0.1 g/l	Resolution: 0.1 mv
Units: kg/l, g/l	Units: mv
No need to order: calculated from conductivity and temperature	Calibration: 1 point
	ORP YP-6102 180.50
	pH/ORP combination YP-5103 270.75

pH SENSOR TYPE GLASS COMBINATION ELECTRODE		
Range:	0 to 14 units	
Accuracy:	±0.1 units	
Resolution:	0.01 units	
Units:	mv, pH units	
Calibration:	1, 2, 3, 4, 5, or 6 point (user selectable); US, NIST or Custom Buffers	
pH	YP-5101	152.00
pH/ORP combination	YP-5103	270.75



Step 4 Order Accessories

Description	NCL #	Price/ea
Flow Cell, Standard, 203 ml	YA-3059	310.00
Flow Cell, 203 ml, with single port adapter	YA-3077	315.00
Flow Cell Adapter, Single Port	YA-3078	95.00
Flow Cell Mounting Spike	YA-3056	23.75
Soft-sided carrying case	YA-3075	125.00
Hard-sided carrying case	YA-3074	250.00
Cable Management Kit	YA-3062	17.00
Cable weight, 4.9 oz., attach to stainless steel probe guard	YA-5978	25.00
3" Probe Cable Weight, 24 oz	YA-3019	150.00
6" Probe Cable Weight, 51 oz	YA-3020	180.00

ORION® 5-STAR PORTABLE pH/ORP/ISE/DO/CONDUCTIVITY MULTIMETER

- ★ Easy to use 3-button function
- ★ Balanced, comfortable handling
- ★ Bright, backlit LCD display with ready indication
- ★ Simultaneous pH/ISE, DO, Conductivity and Temperature measurements in one hand-held unit
- ★ Stores up to 10 methods with password protection



Additional features: IP67 waterproof (may be immersed for up to one hour with no water incursion); waterproof BNC pH electrode and ISE connectors and waterproof mini DIN locking DO and Conductivity probe connectors; automatic or manual pH calibration with 1 to 5 calibration points; auto-buffer recognition of buffers; uses polarographic DO probe; automatic or manual temperature compensation; manual ISE calibration with 1 to 5 calibration points; point-to-point ISE calibration, high and low concentration range; automatic blank correction; automatic barometric pressure compensation; auto-read/hold function; self-diagnostics; 200 point datalogger which is downloadable to printer or computer via RS232 or optional USB accessory; universal power adapter for worldwide operation; three-year replacement warranty.

pH	Range	-2.000 to 19.999 or 0 to 14 in aqueous solutions
	Resolution	0.1 / 0.01 / 0.001
	Relative Accuracy	±0.002
ISE	Range	0 to 19900
	Resolution	1, 2, or 3 significant digits
	Relative Accuracy	±0.2mv or 0.05%, whichever is greater
	Units	M, mg/l, %, ppb, or no units
	mv/Rmv	±1999.9

PORTABLE pH/DO/ISE/ CONDUCTIVITY METER KIT

Includes meter, 9107BNMD Waterproof pH Triode™ DIN, 013010MD Conductivity 4-cell, 083010MD epoxy body DO probe with 10 ft cable, one 10-pack each of pH 4.01 buffer, pH 7.00 buffer, pH 10.01 buffer, one pack, 5 x 60 ml pH Electrode Storage solution, one pack 5 x 60 ml conductivity standard, 1413 µS/cm, 080045 protective sleeve, 080513 DO probe maintenance kit, one 50 ml plastic beaker, 080017 DO cal sleeve, hard field case, portable impact jacket.

MO-1219A 2619.00/ea



PORTABLE pH/DO/ISE/ CONDUCTIVITY METER ONLY

MO-1219 1170.90/ea

DO

Concentration	0.00 to 90.00 mg/l
Relative Accuracy	±0.2 mg/l
% Saturation	0.0 to 600%
Salinity Factor	0 to 45 ppt
Barometric Pressure	450-850 mm Hg

Conductivity

Range	0.000 to 3000 mS/cm, auto res, w/cell constant dependence
Resistivity	0.0001 to 100 Megohms
Salinity	0.01 to 80.0 ppt NaCl equivalent
TDS	0 to 19999
Reference Temperature	15, 20, or 25°C (default), autoranging
Cell Constant	0.001 to 199.9
Temperature	-5 to 105°C



HAND-HELD MULTIPARAMETER METER

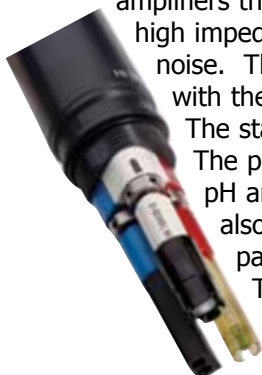
Determines pH, ORP, DO, TDS, Salinity, Atmospheric Pressure, and Temperature

This multiparameter portable instrument monitors up to 13 different water quality parameters (6 measured, 7 calculated). The backlit LCD can display up to 12 measurements at a time. Equipped with HANNA's exclusive Fast Tracker™ – Tag Identification System: iButton® with unique ID numbers can be installed at any number of sampling sites and are used to record specific location information. Designed for outdoor environments, the meter is impact resistant and waterproof up to IP67 standards (30 minutes immersion under 1 m of water). The multi sensor probe can be left underwater (IP68 standard).



MULTIPARAMETER, INTELLIGENT PROBE

The multiparameter probe incorporates a built-in microprocessor and amplifiers that eliminate common problems associated with high impedance signals such as limitation of cable length and noise. This allows the probe to have reliable communication with the meter and also immediately warns the user of problems such as a broken cable. The standard cable lengths of the probe are 4, 10 and 20 meters (13, 32, and 64 feet). The probe also features HANNA's Quick Calibration, which allows the user to calibrate pH and conductivity with one solution in a single, simple step. Dissolved Oxygen is also calibrated in one step in saturated air. The probe houses 5 of the 6 measured parameters: pH, ORP, Conductivity, Dissolved Oxygen, and Temperature. The sensors are all independently replaceable and are easy to maintain and keep clean. The sensors are protected by an outer PVC/stainless steel sleeve and cap which is suitable for use in 2" wells. The probe housing is rated IP68 standard.



CALIBRATION

pH: Automatic 1, 2, or 3 points with 5 memorized standard buffers or 1 custom buffer
 ORP: Automatic at 1 custom point
 Conductivity: Automatic 1 point with 6 memorized standards or 1 custom point
 DO Automatic: 1 or 2 points at 0, 100% or 1 custom point
 Atm. Pressure: Automatic at 1 custom point
 Temperature: Automatic at 1 custom point
 Resistivity, TDS: Based on conductivity or salinity calibration

Temp. Compensation: Automatic from -5 to 55°C (23 to 131°F)
 Logging Memory: Up to 60000 samples with 13 measurements each
 Logging Interval: 1 second to 3 hours
 Computer Interface: USB (with software)
 Waterproof Protection: Meter IP67, Probe IP68
 Power Supply: (4) 1.5V alkaline C cells/(4) 1.2V rechargeable C cells

Includes meter, multisensor probe (pH/ORP, Conductivity, DO, Temperature), probe maintenance kit, rechargeable C size Ni-MH batteries (4), power adapter & cable, car 12V accessory outlet adapter, USB interface cable, Windows® compatible software and instruction manual in a rugged carrying case.

HI-9828

2160.00/ea



ORION® 5-STAR BENCHTOP MULTIMETER

- ★ Easy to use 3-button function
- ★ Bright LCD display with ready indication
- ★ Convenient built-in Quick-Start Guide
- ★ pH, ORP, DO, ISE, and Conductivity measurements in one compact unit
- ★ Stores up to 10 methods with password protection

Additional features: IP54 dustproof and splashproof; BNC pH, ORP, and ISE connectors and mini DIN locking DO and Conductivity probe connectors; automatic or manual pH calibration with 1 to 5 calibration points; auto-buffer recognition of NIST/US and DIN buffers; uses polarographic DO probe; automatic or manual temperature compensation; manual ISE calibration with 1 to 5 calibration points; point-to-point ISE calibration, high and low concentration range; automatic blank correction; automatic barometric pressure compensation; auto-read/hold function; self-diagnostics; 200 point datalogger which is downloadable to printer or computer via RS232 connection; optional



USB interface; three-year replacement warranty.

pH	Range	-2.000 to 19.999 or 0 to 14 in aqueous solutions
	Resolution	0.1/0.01/0.001
	Relative Accuracy	±0.002

ISE	Range	0 to 19900
	Resolution	1, 2, or 3 significant digits
	Relative Accuracy	±0.2mv or 0.05%, whichever is greater
	Units	M, mg/l, %, ppb, or no units
	mv/Rmv	±1999.9

DO	Concentration	0.00 to 90.00 mg/l
	Relative Accuracy	±0.2 mg/l
	% Saturation	0.0 to 600%
	Salinity Factor	0 to 45 ppt
	Barometric Pressure	450-850 mm Hg

BENCHTOP MULTI WITH ISE KIT

Includes meter, 8102BNU ROSS Ultra™ pH Electrode, 927005MD epoxy ATC probe, 081010MD epoxy BOD probe with BOD funnel, 013005MD 4-cell conductivity probe with 4 ft cable, 475 ml each of pH 4.01 buffer, pH 7.00 buffer, pH 10.01 buffer, and pH Electrode Storage Solution, one pack 5 x 60 ml conductivity standard, 1413 µS/cm, electrode stand, 080113 DO probe service kit, 80017 DO cal sleeve.

MO-1119A 2583.00/ea



Conductivity

ORION® 5-STAR MULTI METER WITH ISE BENCHTOP METER ONLY

MO-1119 1284.30/ea

ORP

Range	0.000 to 3000 mS/cm, auto res, w/cell constant dependence
Resistivity	0.0001 to 100 Megohms
Salinity	0.01 to 80.0 ppt NaCl equivalent
TDS	0 to 19999
Reference Temperature	15, 20, or 25°C (default), autoranging
Cell Constant	0.001 to 199.9
mv/Rmv/EH Range	±1999.9
Resolution	±0.1
Relative Accuracy	±0.2mv or 0.05%, whichever is greater
Temperature	-5 to 105° C

