HI9829 GPS Multiparameter Meters

pH/ORP/ISE, EC/TDS/ Resistivity/Salinity/Seawater σ , Turbidity, DO, Temperature and Atmospheric Pressure

- Logging
- Logging from probe or meter
- Fast Tracker
 - Tag Identification System
- Sensor Check[™]
- Auto-recognition of all sensors
- GLP features
 - Meets Good Laboratory Practices
- Connectivity
 - PC compatible via USB
- Help feature
 - On-screen user guides
- Backlight
 - Backlit, graphic LCD display
- Waterpoof
 - Waterproof casing



Rugged, Waterproof and ideal for field measurements

Rugged, waterproof and easy to use, the HI9829 is the ideal meter for field measurements of lakes, rivers and seas. The HI9829 meter displays 1 to 12 parameters simultaneously from up to 15 user selectable parameters.

Combined with one of the HI76x9829 series probes, the HI9829 can measure water quality parameters such as pH, ORP, conductivity, turbidity, temperature, ions ammonium, nitrate, chloride (as $NH_{4^+}-N$, NO_3^--N or Cl⁻), dissolved oxygen (as % saturation or concentration), resistivity, TDS, salinity, and seawater σ . Atmospheric pressure is measured for DO concentration compensation.

Autonomously Logging Probes

After starting a log, the HI7629829 and HI7639829 logging probes can autonomously log parameters without further connection to the HI 9829. Just connect the logging probe to the HI9829 or a PC to retrieve the logged measurements.



GPS Capabilities

The HI9829 with the GPS option incorporates a built-in GPS receiver and antenna that guarantees position accurately. Measurements from specific locations are tracked with detailed coordinate information that can be viewed immediately on the display.

User-friendly Features

The HI9829 features a graphic, backlit LCD that scales digits to fit up to 12 parameters and allows full configuration of each parameter measured along with an on-screen graphing capability. HELP key displays context sensitive help. The alpha-numeric keypad offers a user friendly way to complete the input fields.

The Perfect Monitoring Tool

Water scientists and managers alike utilize data-collection programs as part of environmental monitoring. These programs are designed to reveal changes in water and the environment around it over time. Reliable, dependable measurements are required to monitor these changes and understand the contributions from seasonal fluctuations, weathering, as well as manmade pollution.



HI7609829 for pH/ORP, Dissolved Oxygen, EC



HI7629829 for pH/ORP, Dissolved Oxygen, EC, Logging

Two probes to choose from. These Digital probes provide stable, noise-free sensor signal management without the need for pre-amplified pH sensors.

Specifications		HI7609829	HI7629829		
Supported	Connector 1	pH, pH/ORP, ammonium ISE, chloride ISE, nitrate ISE	pH, pH/ORP, ammonium ISE, chloride ISE, nitrate ISE		
Configuration	Connector 2	dissolved oxygen	dissolved oxygen		
	Connector 3	EC	EC		
Upgradeable		to HI7619829, adding EC/turbidity sensor and long protective shield	to HI7639829, adding EC/turt sensor and long protective sh		
Temperature sensor		built-in	built-in		
Autonomous Logging		-	yes		
Logging Interval		-	1 second to 3 hours		
Computer Inteface		-	USB (HI76982910)		
Memory		-	140,000 measurements (sing 35,000 measurements (all par		
Operating Temperature		-5 to 55°C*	-5 to 55°C*		
Maximum Depth		20 m (66')*	20 m (66')*		
Cable Specification		Multistrand-multiconductor shielded cable with in	ternal strength member rated for	68 kg (150 lb.) intermittent use	
Wetted Materials		Body: ABS; Threads: nylon; Shield: ABS/316 SS; Ten	nperature Probe: 316 SS; O-rings: E	PDM	
Logging Probe Internal Battery Type		-	1.5V (4) AA alkaline		
			Interval	All channels logging (no averaging)	
Logging Probe Battery Life			1-5 seconds	72 hours	
Note: Log space must be available for continuous logging		-	1 minute	22 days	
			10 minutes	70 days	
Sample Environment		fresh, brackish, seawater	10 minutes fresh, brackish, seawater	70 days	
Sample Environment Waterproof Protection		fresh, brackish, seawater IP68		70 days	
			fresh, brackish, seawater		

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Multiparameter





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• Field Ready

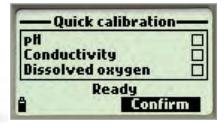
 For field calibration, our quick calibration solution allows users to standardize pH and conductivity with one calibration solution.

Sensors

Hanna offers a selection of 7 sensors to be used on the intelligent probes. Sensor replacement is quick and easy with screw type connectors and are color coded for easy identification. The HI9829 automatically recognizes sensor presence.

The new HI7609829-4 EC/turbidity sensor is field replaceable and offers readings from both parameters at the same time.

All potentiometric sensors feature a double junction design and are gel filled to increase resistance to contamination. One of the ISE sensors can be used in place of the pH sensor and is automatically recognized. pH in mV readings are also displayed –which is useful for troubleshooting.



• Quick Calibration

 Simply screw the calibration beaker filled with HI 9828-25 solution onto the probe, select "Quick calibration" from the menu and press OK. Individual calibration may also be performed using multiple calibration points.



HI9828-25 "Quick Calibration" solution

Prob	e status ——
Probe type	HI 7629829
CONN1	pH
CONN2	DO
CONN3	EC & Turbidity
Measure	🚽 Param. 🎽

Auto-sensor recognition

 In this example, the HI9829 is identifying a pH, dissolved oxygen and turbidity/EC sensor

A Great Combination

The use of Hanna's microprocessor-based multiparameter intelligent probes with HI9829 will provide reliable data collection that can lead to an improved scientific understanding of the interconnections between natural, chemical and geological processes and man-made pollution to effectively evaluate applications for waste-discharge permits, remediate contaminated sites and to protect or restore biological resources.

The HI76x9829 probes utilize field replaceable sensors with auto-recognition. The sensors are housed with the probe electronics in a rugged housing and a water-tight cable connection. The HI76909829 probe allows conductivity, pH/ORP (or an ISE), and dissolved oxygen measurement. Other probe models allow turbidity and logging.

The probes are available with a choice of cable lengths such as 4m, 10m and 20m (13, 33') that utilize a DIN connection to interface with the meters. Logging probes can be connected directly to a PC with the HI76982910 USB adapter cable, and HI929829 PC application software to download log files directly from the probes. Reliable temperature measurements are a critical parameter of aquatic system monitoring. Temperature and temperature changes due to water releases can affect the ability of water to hold oxygen as well as the ability of organisms to resist certain pollutants. The intelligent probes incorporate an accurate thermistor that changes predictably with temperature changes. Accurate temperature reading in degrees Celsius, Fahrenheit and kelvin are displayed and utilized by other detectors for temperature correction.

The HI 7609829-0 and -1 feature a double junction design and are gel filled to increase resistance to contamination. These pH or pH/ORP sensors incorporate the technology that has made Hanna so successful as a pH manufacturer. Reliable pH measurements are one of the most important indicators of water chemistry indicating the relative amount of free hydrogen and hydroxyl ions in the water. Hanna's pH sensors utilize a resilient PEI body to protect them from solid particulates found in water samples. Consistency and quality are the hallmarks of these sensors. Our differential measurement system further enhances the measurement reliability, providing temperature corrected pH.

A choice of 3 ion selective electrodes (ISE) is available for constant reporting of common surface water contaminants. Nitrate, ammonium and chloride ISE's are available. Each ISE is a combination





electrode incorporating an extremely constant reference spiral; all potentionmetric probes feature a double junction and solid gell reference design. By utilizing conductivity, the HI9829 can convert ion activity measurements to concentration units. The HI9829 displays these measurements as ppm ammonium-nitrogen, ppm chloride and ppm nitrate-nitrogen.

The HI7609829-3 4-electrode conductivity sensor using the polarographic measurement principal ensures stable conductivity readings. Electrolytic conductivity measures the ability of water to conduct an electrical current. It is highly dependent on the amount of dissolved solids (such as salt) in the water. Absolute conductivity, temperature-corrected conductivity, salinity, Seawater and water hardness (TDS) determinations are possible with measurements from this sensor.

The oxygen dissolved in lakes, rivers, and oceans is crucial for the organisms and creatures living in it. If dissolved oxygen concentrations drop below normal levels in water bodies, the water quality degrades and the organisms begin to die off. The HI7609829-2 galvanic DO sensor does not require long polarization times so is ready for measurement at a moment's notice. This sensor also utilizes a replaceable cap design for ease of maintenance and a safe non-

toxic electrolyte. DO readings are compensated for the effects of temperature (using the probe's built-in temperature sensor) and atmospheric pressure (using the HI 9829's internal atmospheric pressure sensor). The DO measurement complies with standard methods 4500-0 G and EPA article 360.1.

The HI7609829-4 combined EC/turbidity sensor is a replaceable design for instantaneous conductivity and turbidity measurements that conform to ISO 7027 standards. It provides measurements from 0.0 to 1000 FNU. Turbidity is the amount of particulate matter that is suspended in water. Turbidity measures the scattering effect that suspended solids have on light: the higher the intensity of scattered light, the higher the turbidity. Material that causes water to be turbid include: clay, silt, finely divided organic and inorganic matter, soluble colored organic compounds, plankton and microscopic organisms. Conductivity measurement is the same as in the HI7609829-3.

Probes with the logging function have a logging memory that allows storage of up to 140,000 individual samples or 35,000 complete sample data sets with date and time stamp thus permitting up to a 70 day deployment with all channels logging at 10 minute intervals. The probe incorporates a temperature sensor for temperature compensation of all parameters.



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Monitoring and Tracking

The HI 9829 with GPS module can track measurement locations with detailed coordinate information. All models of the HI 9829 are equipped with the Fast Tracker™ TAG ID system which is an invaluable tool for associating measurements with their locations. The HI 9829 also incorporates a real-time clock which stamps all logged data with a time and date in addition to location information.

GPS (Global Positioning System)

The HI 9829 with GPS features an internal 12 channel GPS receiver and antenna that calculates its position to track locations along with measurement data. The GPS tracks your location using satellites to within 30 ft (10 m) so you can be sure that you return to the same location for repeated measurements. The GPS coordinates can be shown on the LCD together with up to 10 measurement parameters and are recorded with logged data. Users can connect to GPS tracking software such as Google™ Maps* to view locations where samples have been taken. Measurement information is shown right on the map.



1	Date	Time	Temp.[*C]	Hq	ORP[mV]	
1	2011/06/08	18:42:17	24.84	6.27	45.4	
2	2011/06/08	18:42:22	24.84	6.27	45.4	
3	2011/06/08	18:42:27	24.78	6,29	46.2	Export
4	2011/06/08	18:42:32	24.73	6.25	43.6	-
5	2011/06/08	18:42:37	28.93	7.36	12.9	
6	2011/06/08	18:42:42	29.66	7.38	12.3	Print
7	2011/06/08	18:42:47	29.71	7.41	12.2	Lan
8	2011/06/08	18:42:52	29.73	7.45	13.1	
9	2011/06/08	18:42:57	29.78	7.49	13.4	
10	2011/06/08	18:43:02	29.54	7.45	17.3	Graphic Log
11	2011/06/08	18:43:07	29.73	7.58	14.4	1
12	2011/06/08	18:43:12	29.76	7.60	14.6	
13	2011/06/08	18:43:17	29.76	7.62	14.7	~
14	2011/06/08	18:43:22	2975	7.63	15.0	Close
15	2011/06/08	18:43:27	29.73	7.63	15.8	100
16	2011/06/08	18:43:32	29.74	7.64	16.1	
17	2011/06/08	18:43:37	29.74	7.65	16.2	Help
18	2011/06/08	18:43:42	29.73	7.66	16.4	
19	2011/06/08	18:43:47	29.70	7.66	17.3	
20	2011/06/08	18:43:52	29.72	7.67	17.0	Non-
21	2011/06/08	18:43:57	29.73	7.68	17.0	Мар
22	2011/06/08	18:44:02	29.71	7.68	17.2	F
23	2011/06/08	18:47:35	26.52	6.52	47.7	







• GPS data can be customized to meet specific requirements

-Nearby locati	ons
Blackstone river Diamond Hill res. Arnolds Mill res.	2.8 mi
Diamond Hill res.	6.0 mi
Arnolds Mill res.	6.2 mi

- Displays distances between current and predefined locations
- Display current readings along with GPS coordinates

141.5 mVCl

113.2 ppmCl 16.09 °C

54'39.1" N

Menu

71°24'13.1" W

Log

- **GPS** status -Latitude: 41°59'49.1"N Longitude: 71°28'37.5"W Satellites: GPS OFF
- Shows current position and number of satellites

Basic GPS Features

- GPS coordinates shown on the LCD with up to 10 measurement parameters
- GPS signal strength shown on LCD
- Logged data is embedded with
- GPS coordinates GPS status screen

- Advanced GPS Features
 - Users can associate GPS coordinates with alphanumeric locations
 - Distances between current location and predefined locations are displayed arranged by distance
 - Memorizes last location and time should signal be lost

• HI 929829 PC Application Software

- Manages logged data from the HI 9829
- · Displays GPS coordinates with logged data
- · Automatically maps samples on your PC (internet connection required)
- Shows location points on map with measurement data

*Google™ is a registered trademark of Google™, inc. HANNA Instruments® has no affiliation with Google™.



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Intuitive Configuration, Measurement and Help

Multiparameter



 Calibration · Calibration with the HI 9829(0) is easy and intuitive.

• Help

m¥ ISE

The context sensitive help screen is always accessible.



- Graphing
 - Trend graphing may be viewed on the display or transferred to a PC. The sample date and time stamp will also be displayed.

Fully Configurable Measurement Screen

27.9mVpH 6.24pH 202.70RP 50.2%D0 Parameters % DO saturation 3.99 ppmD0 **DO** concentration 24.28 mSkm " Enable all 📃 Enable Log



Fast Tracker[™]–Tag Identification System

HANNA's Fact Tracker™–Tag Identification System simplifies test logging. iButton®s with a unique ID can be installed at various sampling sites. When the matching connector on the meter contacts the location button, measurements are logged and labeled with the alphanumeric user-entered location ID. Location, date, time and measurements are logged into the meter which can be transferred to a PC. The Fast Tracker™ system complements the GPS for ultimate tracking.

iButton[®] Tags are Easy to Install

Install the optional TAGs near your sampling points for quick and easy iButton® readings. Each TAG contains a computer chip with a unique identification code encased in stainless steel. You can install a practically unlimited amount of TAGs. Additional TAGs can be ordered for all of your traceability requirements.



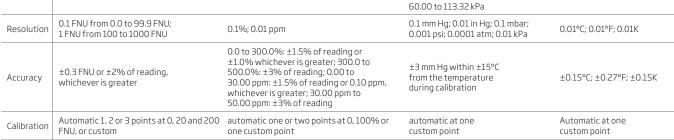


Specifications	HI9829	HI9829 with GPS
Temperature Compensation	automatic from -5 to 55°C (23 to 131°F)	automatic from -5 to 55°C (23 to 131°F)
GPS	-	12 channel receiver, 10 m (30 ft) range
Logging Memory from Meter	44,000 records	44,000 records
Logging Interval	1 second to 3 hours	1 second to 3 hours
Computer Interface	USB (with HI 929829 software)	USB (with HI929829 software)
FastTracker™ TAG ID	Yes	Yes
Waterproof Protection	IP67	IP67
Environment	0 to 50°C (32 to 122°F); RH 100%	0 to 50°C (32 to 122°F); RH 100%
Power Supply	1.5V alkaline C cells (4) /1.2V NiMH rechargeable C cells (4), USB, 12V power adapter	1.5V alkaline C cells (4) /1.2V NiMH rechargeable C cells (4), USB, 12V power adapter
Dimensions	221 x 115 x 55 mm (8.7 x 4.5 x 2.2")	221 x 115 x 55 mm (8.7 x 4.5 x 2.2")
Weight	750g (26.5 oz.)	750g (26.5 oz.)



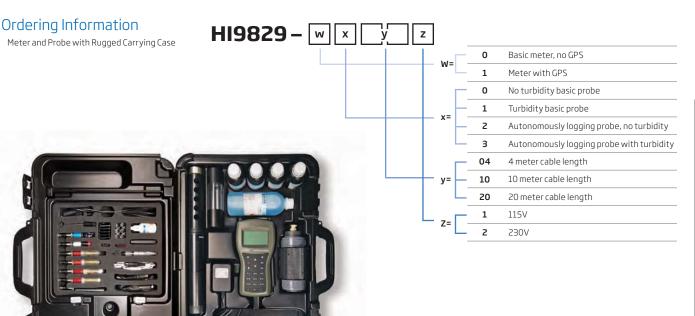
HI9829 Parameter Specifications

	pH / mV of pH input		ORP mV	Ammonium- Nitrogen	Chloride	Nitrate- Nitrogen
Range	0.00 to 14.00 pH / ±600.0 mV	±2000.0 mV	2000.0 mV 0.02 to 200 0.6 to ppm (as N) 200 ppm		0.62 to 200 ppm (as N)	
Resolution	0.01 pH / 0.1 mV		0.1 mV	0.01 ppm to 1 pp	m; 0.1 ppm to 20)0 ppm
Accuracy	±0.02 pH / ±0.5 mV		±1.0 mV	±5% of reading	or 2 ppm, which	ever is greater
Calibration	automatic one, two, or three points with fiv (pH 4.01, 6.86, 7.01, 9.18, 10.01) or one cust		automatic at one custom point	1 or 2 point, 10 p	pm and 100 ppn	1
	Conductivity	TDS	Resistivity	Salinity	Seawater o	
Range	0 to 200 mS/cm (absolute EC up to 400 mS/cm)	0 to 400000 mg/L or ppm (the maximum value depends on the TDS factor)	0 to 999999 Ω•cm; 0 to 1000.0 kΩ•cm; 0 to 1.0000 MΩ•cm	0.00 to 70.00 PSU	0 to 50.0 ot, o	Ο, σ15
Resolution	manual: 1 μS/cm; 0.001 mS/cm; 0.01 mS/cm; 0.1 mS/cm; 1 mS/cm; automatic: 1 μS/cm from 0 to 9999 μS/cm; 0.01 mS/cm from 10.00 to 99.99 mS/cm; 0.1 mS/cm from 10.00 to 400.0 mS/cm; automatic mS/cm: 0.001 mS/cm from 0.000 to 9.999 mS/cm; 0.01 mS/cm from 10.00 to 99.99 mS/cm; 0.01 mS/cm from 10.00 to 99.99 mS/cm; 0.1 mS/cm from 10.00 to 99.99 mS/cm; 0.1 mS/cm from 10.00 to 99.99 mS/cm;	manual: 1 mg/L (ppm); 0.001 g/L (ppt); 0.01 g/L (ppt); 0.1 g/L (ppt); 1 mg/L (ppm); 0.0 g/L (ppt); 1 mg/L (ppm) from 10.00 to 99.99 g/L (ppt); 0.1 g/L (ppt) from 10.00 to 400.0 g/L (ppt); 0.1 g/L (ppt) from 10.00 to 400.0 g/L (ppt); 0.01 g/L (ppt) from 0.000 to 9.999 g/L (ppt); 0.01 g/L (ppt) from 0.000 to 9.999 g/L (ppt); 0.01 g/L (ppt) from 0.000 to 9.999 g/L (ppt); 0.01 g/L (ppt) from 10.00 to 9.999 g/L (ppt); 0.1 g/L (ppt) from 10.00 to 9.999 g/L (ppt);	dependent on resistivity reading	0.01 PSU	0.1 σt, σ0, σ15	
Accuracy	±1% of reading or ±1 μS/cm, whichever is greater	±1% of reading or ±1 mg/L, whichever is greater	-	±2% of reading or ±0.01 PSU, whichever is greater	±1 σt, σ0, σ15	
Calibration	automatic one point with six memorized standards (84 µS/cm, 1413 µS/cm, 5.00 mS/cm, 12.88 mS/cm, 80.0 mS/cm, 111.8 mS/cm) or custom point	based on conductivity or salinity calibration		one custom point	based on cond salinity calibra	
	Turbidity	Dissolved Oxygen	Atm. Pressure		Temperature	2
Range	0.0 to 99.9 FNU; 100 to 1000 FNU	0.0 to 500.0%; 0.00 to 50.00 ppm	450 to 850 mm Hg; 17.72 to 33.46 in Hg; 600.0 to 1133.2 mba 8.702 to 16.436 psi; 0.5921 to 1.1184 atm 60.00 to 113.32 kPa	r;	-5.00 to 55.00 23.00 to 131.0 268.15 to 328	0°F;
Resolution	0.1 FNU from 0.0 to 99.9 FNU; 1 FNU from 100 to 1000 FNU	0.1%; 0.01 ppm	0.1 mm Hg; 0.01 in Hg 0.001 psi; 0.0001 atr		0.01°C; 0.01°F;	0.01K





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All HI9829 Kits Include:

HI 9829 or HI 98290 (GPS Model) Meter HI 710140 Hard carrying case HI 710005/8 (115V) or HI710006/8 (230V) Mulitiparameter Probe (see table) HI 7692892 Probe Maintenance Kit HI 929829 Application Software HI 7698291 USB cable (PC to meter) HI 710045 Power supply cable HI 710046 Cigarette lighter cable HI 7609829-1 pH/ORP sensor HI 7609829-2 Galvanic DO Sensor HI 920005 iButton® with holder (5 pcs) HI 9828-25 Calibration solution Instruction Manual

Optional Kit Components:

HI 7609829-12 Nitrate sensor HI 7609829-11 Chloride ISE sensor HI 7609829-10 Ammonium ISE sensor HI 7698297 Long quick release flow cell Spare Solution (see below)

HI9829-10	25 sachets 10ppm ammonia-nitrogen calibration solution
HI9829-10/11	10 sachets each of 10ppm and 100ppm ammonia-nitrogen calibration solution
HI9829-11	25 sachets 100ppm ammonia-nitrogen calibration solution
HI9829-12	25 sachets 10ppm chloride calibration solution
HI9829-12/13	10 sachets each of 10ppm and 100ppm chloride calibration solution
HI9829-13	25 sachets 100ppm chloride calibration solution
HI9829-14	25 sachets 10ppm nitrate-nitrogen calibration solution
HI9829-14/15	10 sachets each of 10ppm and 100ppm nitrate-nitrogen calibration solution
HI9829-15	25 sachets 100ppm nitrate-nitrogen calibration solution

Kit Speci Compone Kit Number	HI7609829-3 EC Sensor	HI7698290 Short calibration beaker	HI7609829-4 EC/Turbidity Sensor	HI7698293 Long calibration beaker	HI9829-160 FNU calibration solution	HI9829-1720 FNU calibration solution	HI9829-18 200 FNU calibration solution	HI76982910 USB cable (PC to Probe)	HI7698295 Short protective sleeve	HI7698296 long protective sleeve	
HI9829-0004Z	HI7609829/4	•	•							•	
HI9829-0010Z	HI7609829/10	•	•							•	
HI9829-0020Z	HI7609829/20	•	•							•	
HI9829-0104Z	HI7609829/4			•	•	•	•	•			•
HI9829-0110Z	HI7609829/10			•	•	•	•	•			•
HI9829-0120Z	HI7609829/20			•	•	•	•	•			•
HI9829-0204Z	HI7629829/4	•	•						•	•	
HI9829-0210Z	HI7629829/10	•	•						•	•	
HI9829-0220Z	HI7629829/20	•	•						•	•	
HI9829-0304Z	HI7629829/4			•	•	•	•	•	•		•
HI9829-0310Z	HI7629829/10			•	•	•	•	•	•		•
HI9829-0320Z	HI7629829/20			•	•	•	•	•	•		•
HI9829-1004Z	HI7609829/4	•	•							•	
HI9829-1010Z	HI7609829/10	•	•							•	
HI9829-1020Z	HI7609829/20	•	•							•	
HI9829-1104Z	HI7609829/4			•	•	•	•	•			•
HI9829-1110Z	HI7609829/10			•	•	•	•	•			•
HI9829-1120Z	HI7609829/20			•	•	•	•	•			•
HI9829-1204Z	HI7629829/4	•	•						•	•	
HI9829-1210Z	HI7629829/10	•	•						•	•	L
HI9829-1220Z	HI7629829/20	•	•						•	•	L
HI9829-1304Z	HI7629829/4			•	•	•	•	•	•		•
HI9829-1310Z	HI7629829/10			•	•	•	•	•	•		•
HI9829-1320Z	HI7629829/20			•	•	•	•	•	•		•

 $z\,{=}\,1$ is supplied with 115V AC to 12V DC Adapter $z\,{=}\,2$ is supplied with 230V AC to 12V DC Adapter



Multiparameter

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www.hannainst.com

Meter with Probe Ordering Information

Choose Your Configuration Below

Meter and Probe with Rugged Carrying Case

Eps.c H19229-0004 (1250) H120045 power supply cable. H7258232 probe maintenance kit. H17058230 (1500 et al.) H1700055 (1500 et al.) H1700055 (1500 et al.) H1700055 (1500 et al.) H1700055 (1500 et al.) H17000528) (1500 et al.) H17000528) (1500 et al.) H17000528		IANNA struments	solutions and accessories begin on page 8.24 www.hannainst.col
Eps H19829-00041 (L159) H19829-0002 (200) H170045 power supply cable. H1760829 (protein anitremance k1, H1760829.5) not r calibration beaker. H19829-00101 (1159) Basic H19829-00101 (1159) H19829-00101 (1159) H19829-00101 (1159) H19829-00101 (1159) H19829-00101 (1159) H19829-00101 (1159) H19829-00101 (1159) H19829-00101 (1159) H19829-00101 (1159) H19829-00101 (1159) H19829-00101 (1159) H19829-00201 (1159) H19829-00201 (1159) H19829-00201 (1159) H19829-00201 (1159) H19829-00201 (1159) H19829-00201 (1159) H19829-00201 (1159) H19829-00201 (1159) H19829-00201 (1159) H19829-00201 (1159) H19829-002001 (1159) H19829-	tiparameter Probe (C	HI9829-11202 (230V)	HI9829 meter with GPS, HI7619829/20 probe, HI7698291 USB cable (PC to meter), HI920005 iButton® with holder (5 pcs), HI929829 PC application software, HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI7609829-4 EC/Turbidity sensor, HI710045 power supply cable, HI7698292 probe maintenance kit, HI9829-16 0 FNU calibration solution (230 mL), HI9829-17 20 FNU calibration solution (230 mL), HI9829-17 20 FNU calibration solution (230 mL), HI9829-18 200 FNU calibration solution (230 mL), HI7698293 long calibration beaker, HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI710006/8 (230V), instruction manual.
Basic H19929-0004 (15%) H170045 power supply cable, H17508229 prote maintenance kit, H17508229 0 stort, calibration basics, INTCOMPS (15%) or H17000 Basic H19929-00102 (230V) H19028-35 calibration solution (500 mL), H170046 cigarette lighter cable, H1750829 1 phro2005 Blutton* with hold the H19928 (15%) or H1700057	GPS & Turbidity		HI9829 meter with GPS, HI7619829/10 probe, HI7698291 USB cable (PC to meter), HI920005 iButton® with holder (5 pcs), HI929829 PC application software, HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI7609829-4 EC/Turbidity sensor, HI710045 power supply cable, HI7698292 probe maintenance kit, HI9829-16 0 FNU calibration solution (230 mL), HI9829-17 20 FNU calibration solution (230 mL), HI9829-17 20 FNU calibration solution (230 mL), HI98293 long calibration beaker, HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI710006/8 (230V), instruction manual.
GPS Hi9829-00042 (1250) Hi9829-00042 (2300) Hi70045 power supply cable, HI7698229 probe maintenance kit, HI769829 and trails ratio backer, hi9828-3 collar (1150) Basic Hi9829-0002 (2300) Hi9829 meter, HI7608829/10 probe, HI769829 probe maintenance kit, HI769829 20 power, HI7609829-20 power, HI7609829			HI9829 meter with GPS, HI7619829/4 probe, HI7698291 USB cable (PC to meter), HI920005 iButton® with holder (5 pcs), HI929829 PC application software, HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI7609829-4 EC/Turbidity sensor, HI710045 power supply cable, HI7698292 probe maintenance kit, HI9829-16 0 FNU calibration solution (230 mL), HI9829-17 20 FNU calibration solution (230 mL), HI9829-17 20 FNU calibration solution (230 mL), HI9829-3 long calibration beaker, HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI710006/8 (230V), instruction manual.
Basic H19829-00042 (2300) H170045 power supply cable. H7598292 probe maintenance kit, H7598293 obtort calibration beaker. H19829-00102 (2300) Basic H19829-00101 (115V) H19829-00102 (230V) H170045 power supply cable. H7698291 US cable (PC to meter), H1920005 Buttor® with holder H19829-00102 (230V) H19829-00102 (230V) H19829-25 calibration software. H7698292 probe maintenance kit, H17598292 obtort calibration beaker, H19829-00202 (230V) H19829-00202 (230V) H19829-00202 (230V) H19829-00202 (230V) H19829-00202 (230V) H19829-00202 (230V) H19829-00202 (230V) H19829-00202 (230V) H19829-00202 (230V) H19829-00202 (230V) H19829-25 calibration software. H7698291 USR cable (PC to meter), H1920005 Buttor® with holder (15 pros.) H170045 power supply cable. H17698291 uSR cable (PC to meter), H1920005 Buttor® with holder (19 pros.) H17098292 probe maintenance kit, H17598292 - 20 oscos, H17509829-20 oscos			(230 mL), HI7698293 long calibration beaker, HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter
Basic H19229-00042 (L15V) H1710045 power supply cable, H17598229 probe maintenance kit, H17598229 obstort calibration beaker, H19829-00102 (23V) Basic H19829-00101 (115V) H19829-00102 (23V) H19829-00102 (23V) H19829-00102 (23V) H19829-00102 (23V) H19829-00102 (23V) H19829-00102 (23V) H19829-00102 (23V) H19829-00201 (115V) H19829-00102 (23V) H19829-00202 (23V) H19829-00202 (23V) H19829-00201 (115V) H19829-00202 (23V) H19829-00202 (23V) H19829-00202 (23V) H19829-00202 (23V) H19829-00202 (23V) H19829-00202 (23V) H19829-00202 (23V) H19829-00202 (23V) H19829-10041 (115V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10041 (115V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V) H19829-10042 (23V)	sic & Turbidity		
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H19829-00041 (115V) H19829-00042 (230V)H1710045 power supply cable, H17698292 probe maintenance kit, H17698290 short calibration beaker, H19828-25 calibration solution (500 mL), H1710046 cigarette lighter cable, H1710005/8 (115V) or H171000 instruction manual.BasicH19829-00101 (115V) H19829-00102 (230V)H1929829 PC application software, H17698291 USB cable (PC to meter), H1920005 iButton® with holder H1929829 PC application software, H17609829-3 EC sensor, H17609829-2 D0 sensor, H17609829-1 DV instruction manual.H19829-00101 (115V) H19829-00102 (230V)H19829 meter, H17609829/20 probe, H17698291 USB cable (PC to meter), H1920005 iButton® with holder (5 pcs), H1920929 PC application software, H17609829-3 EC sensor, H17609829-2 D0 sensor, H170005/8 (115V) or H171000 instruction manual.H19829-10041 (115V) H19829-10042 (230V)H19829 meter with CPS, H17609829/4 probe, H17698291 USB cable (PC to meter), H1920005 iButton® with H19829-10042 (230V)GPSH19829-10101 (115V) H19829-101042 (230V)H19829 meter with CPS, H17609829/10 probe, H17698291 USB cable (PC to meter), H1920005 iButton® with H19829-101042 (230V)GPSH19829-10101 (115V) H19829-10102 (230V)H19829-10104 (500 mL), H1710046 cigarette lighter cable, H1710005/8 (115V) or H171004 instruction manual.GPSH19829-10102 (230V)H19829-2002 (230V) H19829-2002 (230V)H19829-2002 (230V) H19829-2002 (230V)H19829-10102 (230V)H19829-10102 (230V)H19829-2002 probe			HI9829 meter with GPS, HI7609829/20 probe, HI7698291 USB cable (PC to meter), HI920005 iButton® with holder (5 pcs), HI929829 PC application software, HI7609829-3 EC sensor, HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI710045 power supply cable, HI7698292 probe maintenance kit, HI7698290 short calibration beaker, HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI710006/8 (230V instruction manual.
HI9829-00041 (115V) HI9829-00042 (230V)HI710045 power supply cable, HI7698292 probe maintenance kit, HI7698290 short calibration beaker, HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI71000 instruction manual.BasicHI9829-00101 (115V) HI9829-00102 (230V)HI9829 meter, HI7609829/10 probe, HI7698291 USB cable (PC to meter), HI920005 iButton® with holder HI929829 PC application software, HI7609829-3 EC sensor, HI7609829-2 D0 sensor, HI7609829-1 pH/O HI710045 power supply cable, HI7698292 probe maintenance kit, HI7698290 short calibration beaker, HI9829-00102 (230V)HI9829-00201 (115V) HI9829-00202 (230V)HI9829 meter, HI7609829/20 probe, HI7698291 USB cable (PC to meter), HI920005 iButton® with holder (5 pcs), HI929829 PC application software, HI7609829-3 EC sensor, HI7609829-2 D0 sensor, HI7609829 sensor, HI710045 power supply cable, HI7698291 USB cable (PC to meter), HI920005 iButton® with holder (5 pcs), HI929829 PC application software, HI7609829-3 EC sensor, HI7609829-2 D0 sensor, HI7609829 sensor, HI710045 power supply cable, HI7698291 USB cable (PC to meter), HI920005 iButton® with holder (5 pcs), HI929829 PC application software, HI7609829-3 EC sensor, HI7609829-2 D0 sensor, HI7609829 sensor, HI710045 power supply cable, HI7698291 USB cable (PC to meter), HI920005 iButton® with HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI71004 sensor, HI7609829/4 probe, HI7698291 USB cable (PC to meter), HI920005 iButton® with (5 pcs), HI929829 PC application software, HI7609829-3 EC sensor, HI7609829-2 D0 sensor, HI760982	S		HI9829 meter with GPS, HI7609829/10 probe, HI7698291 USB cable (PC to meter), HI920005 iButton® with holder (5 pcs), HI929829 PC application software, HI7609829-3 EC sensor, HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI710045 power supply cable, HI7698292 probe maintenance kit, HI7698290 short calibration beaker, HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI710006/8 (230V instruction manual.
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Hi9829-00041 (115V) Hi710045 power supply cable, Hi7698292 probe maintenance kit, Hi7698290 short calibration beaker, Hi9829-00042 (230V) Hi9829-00042 (230V) Hi710045 power supply cable, Hi7698292 probe maintenance kit, Hi7698290 short calibration beaker, Hi9828-25 calibration solution (500 mL), Hi710046 cigarette lighter cable, Hi710005/8 (115V) or Hi71000 Basic Hi9829-00101 (115V) Hi9829-00101 (115V) Hi9829 meter, Hi7609829/10 probe, Hi7609829-3 EC sensor, Hi7609829-2 D0 sensor, Hi7609829-1 pH/O Hi9829-00102 (230V) Hi9829-20010 color supply cable, Hi7609829 probe maintenance kit, Hi7698290 short calibration beaker, Hi9828-25 calibration solution (500 mL), Hi710046 cigarette lighter cable, Hi710005/8 (115V) or Hi710005/8 (115V)			HI9829 meter, HI7609829/20 probe, HI7698291 USB cable (PC to meter), HI920005 iButton® with holder (5 pcs), HI929829 PC application software, HI7609829-3 EC sensor, HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI710045 power supply cable, HI7698292 probe maintenance kit, HI7698290 short calibration beaker, HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI710006/8 (230V instruction manual.
H19829-00041 (115V) H19829-00042 (230V) H19828-25 calibration solution (500 mL), H1710046 cigarette lighter cable, H1710005/8 (115V) or H171000	sic		HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI710006/8 (230V
			HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI710006/8 (230V

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Meter with Probe Ordering Information

Choose Your Configuration Below

Meter and Probe with Rugged Carrying Case

	HI9829-02041 (115V) HI9829-02042 (230V)	HI9829 meter, HI7629829/4 probe, HI76982910 USB cable (PC to Probe), HI7698291 USB cable (PC to meter), HI929829 PC application software, HI920005 iButton® with holder (5 pcs), HI7609829-3 EC sensor, HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI710045 power supply cable, HI7698290 short calibration beaker, HI9828-25 calibration solution (500 mL), HI710005/8 (115V) or HI710006/8 (230V), instruction manual
Basic with Autonomously Logging Probe	HI9829-02101 (115V) HI9829-02102 (230V)	HI9829 meter, HI7629829/10 probe, HI76982910 USB cable (PC to Probe), HI7698291 USB cable (PC to meter), HI929829 PC application software, HI920005 iButton® with holder (5 pcs), HI7609829-3 EC sensor, HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI710045 power supply cable, HI7698290 short calibration beaker, HI9828-25 calibration solution (500 mL), HI710005/8 (115V) or HI710006/8 (230V), instruction manual
	HI9829-02201 (115V) HI9829-02202 (230V)	HI9829 meter, HI7629829/20 probe, HI76982910 USB cable (PC to Probe), HI7698291 USB cable (PC to meter), HI929829 PC application software, HI920005 iButton® with holder (5 pcs), HI7609829-3 EC sensor, HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI710045 power supply cable, HI7698290 short calibration beaker, HI9828-25 calibration solution (500 mL), HI710005/8 (115V) or HI710006/8 (230V), instruction manual
	HI9829-12041 (115V) HI9829-12042 (230V)	HI9829 meter with GPS, HI7629829/4 probe, HI76982910 USB cable, (PC to Probe), HI7698291 USB cable (PC to meter), HI929829 PC application software, HI920005 iButton® with holder (5 pcs), HI7609829-3 EC sensor, HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI710045 power supply cable, HI7698290 short calibration beaker, HI9828-25 calibration solution (500 mL), HI710005/8 (115V) or HI710006/8 (230V), instruction manual
GPS with Autonomously Logging Probe	HI9829-12101 (115V) HI9829-12102 (230V)	HI9829 meter with GPS, HI7629829/10 probe, HI76982910 USB cable (PC to Probe), HI7698291 USB cable (PC to meter), HI929829 PC application software, HI920005 iButton® with holder (5 pcs), HI7609829-3 EC sensor, HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI710045 power supply cable, HI7698290 short calibration beaker, HI9828-25 calibration solution (500 mL), HI710005/8 (115V) or HI710006/8 (230V), instruction manual
	HI9829-12201 (115V) HI9829-12202 (230V)	HI9829 meter with GPS, HI7629829/20 probe, HI76982910 USB cable (PC to Probe), HI7698291 USB cable (PC to meter), HI929829 PC application software, HI920005 iButton® with holder (5 pcs), HI7609829-3 EC sensor, HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI710045 power supply cable, HI7698290 short calibration beaker, HI9828-25 calibration solution (500 mL), HI710005/8 (115V) or HI710006/8 (230V), instruction manual
	HI9829-03041 (115V) HI9829-03042 (230V)	HI9829 meter, HI7639829/4 probe, HI76982910 USB cable (PC to Probe), HI7698291 USB cable (PC to meter), HI929829 PC application software, HI920005 iButton® with holder (5 pcs), HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI7609829-4 EC/Turbidity sensor, HI710045 power supply cable, HI7698292 probe maintenance kit, HI9829-16 0 FNU calibration solution (230 mL), HI9829-17 20 FNU calibration solution (230 mL), HI9829-18 200 FNU calibration solution (230 mL), HI7698293 long calibration beaker, HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI710006/8 (230V), instruction manual
Basic with Autonomously Logging Probe & Turbidity	HI9829-03101 (115V) HI9829-03102 (230V)	HI9829 meter, HI7639829/10 probe, HI76982910 USB cable (PC to Probe), HI7698291 USB cable (PC to meter), HI929829 PC application software, HI920005 iButton® with holder (5 pcs), HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI7609829-4 EC/Turbidity sensor, HI710045 power supply cable, HI7698292 probe maintenance kit, HI9829-16 0 FNU calibration solution (230 mL), HI9829-17 20 FNU calibration solution (230 mL), HI9829-18 200 FNU calibration solution (230 mL), HI7698293 long calibration beaker, HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI710006/8 (230V), instruction manual
	HI9829-03201 (115V) HI9829-03202 (230V)	HI9829 meter, HI7639829/20 probe, HI76982910 USB cable (PC to Probe), HI7698291 USB cable (PC to meter), HI929829 PC application software, HI920005 iButton® with holder (5 pcs), HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI7609829-4 EC/Turbidity sensor, HI710045 power supply cable, HI7698292 probe maintenance kit, HI9829-16 0 FNU calibration solution (230 mL), HI9829-17 20 FNU calibration solution (230 mL), HI9829-18 200 FNU calibration solution (230 mL), HI7698293 long calibration beaker, HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI710006/98(230V), instruction manual
GPS with Autonomously Logging Probe & Turbidity	HI9829-13041 (115V) HI9829-13042 (230V)	HI9829 meter with GPS, HI7639829/4 probe, HI76982910 USB cable, (PC to Probe), HI7698291 USB cable (PC to meter), HI929829 PC application software, HI920005 iButton® with holder (5 pcs), HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI7609829-4 EC/Turbidity sensor, HI710045 power supply cable, HI7698292 probe maintenance kit, HI9829-16 0 FNU calibration solution (230 mL), HI9829-17 20 FNU calibration solution (230 mL), HI9829-18 200 FNU calibration solution (230 mL), HI7698293 long calibration beaker, HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI710005/8 (115V) or HI710006/8 (230V), instruction manual
	HI9829-13101 (115V) HI9829-13102 (230V)	HI9829 meter with GPS, HI7639829/10 probe,HI76982910 USB cable (PC to Probe), HI7698291 USB cable (PC to meter), HI929829 PC application software, HI920005 iButton® with holder (5 pcs), HI7609829-2 D0 sensor, HI7609829-1 pH/ORP sensor, HI7609829-4 EC/Turbidity sensor, HI710045 power supply cable,HI7698292 probe maintenance kit, HI9829-16 0 FNU calibration solution (230 mL), HI9829-17 20 FNU calibration solution (230 mL), HI9829-18 200 FNU calibration solution (230 mL), HI7698293 long calibration beaker, HI9828-25 calibration solution (500 mL), HI710046 cigarette lighter cable, HI71005/8 (115V) or HI710006/8 (230V),instruction manual
	HI9829-13201 (115V) HI9829-13202 (230V)	HI9829 meter with GPS, HI7639829/20 probe, HI76982910 USB cable (PC to Probe), HI7698291 USB cable (PC to meter), HI929829 PC application software, HI920005 iButton® with holder (5 pcs), HI7609829-2 DO sensor, HI7609829-1 pH/ORP sensor, HI7609829-4 EC/Turbidity sensor, HI710045 power supply cable, HI7698292 probe maintenance kit, HI9829-16 0 FNU calibration solution (230 mL), HI9829-17 20 FNU calibration solution (230 mL), HI9829-18 200 FNU calibration solution solution (230 mL), HI9829-18 200 FNU calibration solution solution (230 mL), HI9829-18 200 FNU calibration solution s

solutions and accessories begin on page 8.24

HANNA nstruments

Solutions & Accessories Ordering Information

Probe Only, No Sensors

, ,	
HI7609829/4	Probe for pH/pH+ORP/ISE, DO, EC, temperature with HI7698295 short protective shield and 4 m (13.1') cable
HI7609829/10	Probe for pH/pH+ORP/ISE, DO, EC, temperature with HI7698295 short protective shield and 10 m (33') cable
HI7609829/20	Probe for pH/pH+0RP/ISE, DO, EC, temperature with HI7698295 short protective shield and 20 m (65.6′) cable
HI7619829/4	Probe for pH/pH+ORP/ISE, DO, EC+turbidity, temperature, with HI7698296 long protective shield and 4 m (13.1') cable
HI7619829/10	Probe for pH/pH+ORP/ISE, DO, EC+turbidity, temperature with HI7698296 long protective shield and 10 m (33') cable
HI7619829/20	Probe for pH/pH+ORP/ISE, DO, EC+turbidity, temperature with HI7698296 long protective shield and 20 m (65.6′) cable
HI7629829/4	Logging probe for pH/pH+ORP/ISE, DO, EC, temperature with HI7698295 short protective shield and 4 m (13.1') cable
HI7629829/10	Logging probe for pH/pH+ORP/ISE, DO, EC, temperature with HI7698295 short protective shield and 10 m (33') cable
HI7629829/20	Logging probe for pH/pH+ORP/ISE, DO, EC, temperature with HI7698295 short protective shield and 20 m (65.6') cable
HI7639829/4	Logging probe for pH/pH+ORP/ISE, DO, EC+turbidity, temperature, with HI7698296 long protective shield, and 4 m (13.1') cable
HI7639829/10	Logging probe for pH/pH+ORP/ISE, DO, EC+turbidity, temperature, with HI7698296 long protective shield, and 10 m (33') cable
HI7639829/10	Logging probe for pH/pH+ORP/ISE, DO, EC+turbidity, temperature, with HI7698296 long protective shield, and 20 m (65.6') cable

Sensors with O-Ring

HI7609829-1	pH/ORP
HI7609829-2	Dissolved Oxygen
HI7609829-3	EC
HI7609829-4	EC/Turbidity
HI7609829-10	Ammonium ISE
HI7609829-11	Chloride ISE
HI7609829-12	Nitrate ISE



Quick Calibration Solutions

HI9828-25	Quick calibration solution, 500 mL
HI9828-27	Quick calibration solution, 1 gal



pH Calibration Solutions

HI7004L	pH 4.01 buffer solution, 500 mL
HI7007L	pH 7.01 buffer solution, 500 mL
HI7010L	pH 10.01 buffer solution, 500 mL



ORP Calibration Solutions

HI7021L	ORP test solution @240 mV, 500 mL
HI7022L	ORP test solution @470 mV, 500 mL

ISE Standards

HI9829-10/11	Kit containing 10 sachets each of 10 ppm and 100 ppm standard for HI7609829-10 ammonium ISE
HI9829-10	10 ppm standard sachet for HI7609829-10 ammonium ISE, 25 mL (25)
HI9829-11	100 ppm standard sachet for HI7609829-10 ammonium ISE, 25 mL (25)
HI9829-12/13	Kit containing 10 sachets each of 10 ppm and 100 ppm standard for HI7609829-11 chloride ISE
HI9829-12	10 ppm standard sachet for HI7609829-11 chloride ISE, 25 mL (25)
HI9829-13	100 ppm standard sachet for HI7609829-11 chloride ISE, 25 mL (25)
HI9829-14/15	Kit containing 10 sachets each of 10 ppm and 100 ppm standard for HI7609829-12 nitrate ISE
HI9829-14	10 ppm standard sachet for HI7609829-12 nitrate ISE, 25 mL (25)
HI9829-15	100 ppm standard sachet for HI7609829-12 nitrate ISE, 25 mL (25)



8.24

Multiparameter

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Solutions & Accessories Ordering Information 8

EC Calibration Solutions

HI7030L	12880 µS/cm cal. sol., 500 mL
HI7031L	1413 µS/cm cal. sol., 500 mL
HI7033L	84 µS/cm cal. sol., 500 mL
HI7034L	80000 μS/cm cal. sol., 500 mL
HI7035L	111800 µS/cm cal. sol., 500 mL
HI7039L	5000 µS/cm cal. sol., 500 mL



Accessories



 HI7698291
 USB cable, PC to meter

 HI76982910
 USB cable, PC to probe



Dissolved Oxygen Solutions

HI7040L	Zero oxygen solution, 500 mL	
HI7042S	Electrolyte solution, 30 mL	
Turbidity Calibration Solutions		
HI9829-16	0 ENU calibration solution, 230 ml	

20 FNU calibration solution, 230 mL

200 FNU calibration solution, 230 mL

HI710046	Car accessory port cable
HI7698290	Short calibration beaker
HI7698293	Long calibration beaker
HI7698294	Short flow cell
HI7698297	Long, quick release flow cell
HI7698295	Short protective shield
HI7698296	Long protective shield
HI920005	iButton® with holder (5 pcs)
HI710140	Hard carrying case
HI710045	Power supply cable



Probe Maintenance Kit

HI7698292

HI9829-17

HI9829-18

Probe maintenance kit consisting of HI7042S (electrolyte solution for DO sensor), O-rings for DO sensor (5), small brush, O-rings for probe (5), and syringe with grease to lubricate the O-rings.

pH/ORP Cleaning and Storage Solutions

HI70300L	pH/ORP electrode storage sol., 500 mL
HI7061L	pH/ORP electrode cleaning sol., 500 mL



portable