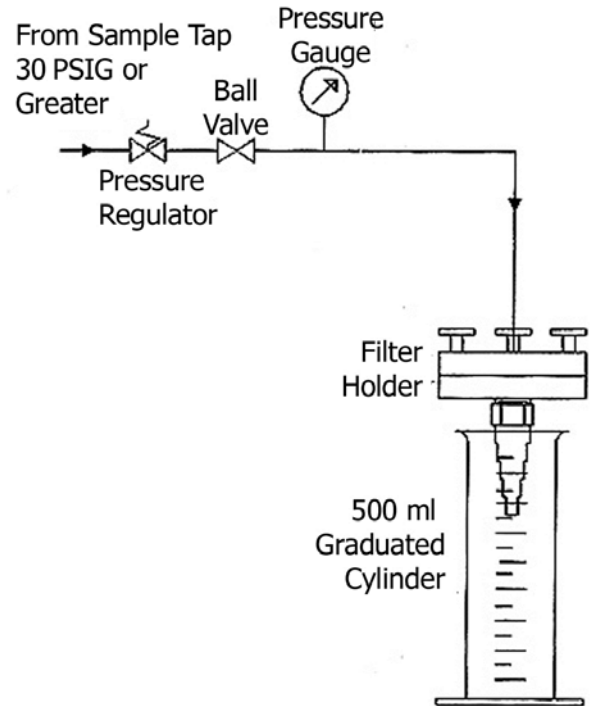


# SILT DENSITY INDEX TESTING (SDI)

## Portable SDI Test Assembly - direct SDI™



### Model No. SDI-2000

Completely assembled in a portable, compact case, ready for on-site testing. Includes instructions for measuring silt density index.

#### Assembled with:

- Filter Holder
- Pressure Gauge
- Pressure Regulator
- Ball Valve
- Graduated Cylinder
- Thermometer
- Tubing
- Filter Tweezers

*(Filters not included – sold separately. See below.)*

#### Also Available:

- Manual SDI Kit with Millipore® brand filter holder – Model No. **SDI-2000-MIL**  
*(SDI-FH Millipore filter holder is pictured below)*

#### Optional Booster Pump Accessory:

- Pump Assembly Kit for testing with less than 30 psi. Assembled with Booster Pump, Power Supply, Pressure Regulator:
- **SDI-PU:** 115-120VAC, 60Hz
- **SDI-PE:** 230VAC, 50Hz
- **SDI-PJ:** 100VAC, 50-60Hz



### Filters and Spare Parts for SDI Kit

Model No.	Description
<b>SDI-045</b>	Filters for SDI Testing, 0.45 Micron, 47 mm, Package of 100
<b>SDI-FH2</b>	Filter Holder for SDI Kit (SDI-2000)
<b>SDI-FH</b>	Filter Holder for SDI Kit (SDI-2000-MIL)



SDI-045



SDI-FH2



SDI-FH

*Detailed Silt Density Index measurement instructions and calculations are shown in the technical section of our catalog.*

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# SILT DENSITY INDEX TESTING (SDI)

## Portable Automatic SDI Testers

### Model Number: Y-SIMPLESDI

Complete Automatic Test Kit includes:

- Power Supply
- Battery Charger
- Accessory Case
- Pack of 100 membrane filters (0.45 micron)
- Special Tweezers for handling of the membranes
- 50 micron pre-filter



*simpleSDI Makes Silt Density Index Testing Easy.*

### BENEFITS OF SIMPLE SDI

**Extremely Accurate:** Microprocessor precision plus high resolution flow measurement provides silt density index test accuracy and repeatability far beyond hand testing.

**Performs SDI-5, SDI-10 and SDI-15** tests in both 100ml and 500ml sample sizes for more meaningful silt density index results and a complete picture of filter plugging.

**Unattended operation.** Start the test and return in 15 minutes to see the results.

**Audible alerts** notify the operator at the end of the silt density index test as well as if any errors have occurred.

**Standards compliant** 47 mm membranes for lowest cost, worldwide availability. Built to the ASTM D 4189-07 standard for silt density index testing accuracy and repeatability greatly exceed the criteria of the silt density index standard.

**Continuous flow readout** (mL/min) provides detailed information in real-time of the rate of filter plugging. This data can be used to manually plot Modified Fouling Index (MFI)-like data.

**Battery Powered and light weight for true portability.** Up to 13 hours of testing between charges.

**In-field calibration and repair.** Modular design for easy field repairs. Sensor calibration is easy to perform in the field.

**Clear, easy to read LCD display** prompts the operator through the test procedure and displays current test data while silt density index tests are underway.

### SPARE PARTS AND OPTIONAL EQUIPMENT FOR SIMPLE SDI

Model No.	Description
SDI-045	Filters for Silt Density Index Testing, 0.45 Micron, 47 mm, Package of 100
K2305JJ	Pre-filter 5M inline, Omnipure
182-11001	Battery 6V 1.3 AH SLA type
182-40005	Booster pump for 110Vac, used when source water is less than 35 PSI
182-40025	Booster pump for 220Vac, used when source water is less than 35 PSI
182-30059	Porex Core for Pre-Filter 50 M Inline
182-30050	Pre-Filter 50m Inline ¼" QC
182-11005	Power Supply/Battery Charger (110 Vac-60Hz)



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# SILT DENSITY INDEX TESTING (SDI)

## EZ™ & Enhanced Automatic SDI Monitors

The EZ™ and Enhanced SDI monitors automatically and consistently monitor the silt density index of RO feedwater. Monitoring the SDI is very useful to determine fouling problems **before** the membranes need replacement. Applied Membranes, Inc. now offers an economical, effective, and easy way to monitor the SDI of the feedwater entering into the membranes. Also ask us about our manual SDI Test Assembly in stock available for immediate delivery.



EZ SDI-1C



EZ SDI-4

### Distinguishing Features:

- Automatic – Easy to Install and Operate
- Uses standard filter media
- Replacing the media is an easy 2-minute process
- Monitor housed in NEMA 4X enclosure
- Designed for permanent installation
- SDI can be taken by pushing a button
- Display equipped with LED backlight, so results can be seen in any environment
- Test pressure is controlled with an internal pressure regulator, which can accommodate inlet pressures above 1000 psi.

### Product Specifications

Model No.	Description
<b>EZ SDI-1C</b>	EZ SDI™ – Automatic Silt Density Index Monitor, Performs 1 test a time with disposable cartridge filters (25 Cartridges Included with System)
<b>EZ SDI-4</b>	EZ SDI-4 Enhanced SDI – Automatic Silt Density Index Monitor will perform four separate tests before filter replacement is necessary.
<b>EZSDI-SS</b>	Sample sequencer for EZ SDI-4 Enhanced SDI

\* Analog output option available. Add “-Analog” to the end of the part number when ordering (Example: Y-ENHSDIC-Analog).

### Replacement Kits

Model No.	Description
<b>EZ-1C-2YSPK</b>	Two-Year Spare Parts Kit for Y-EZSDIC <i>Includes (2) EZSDI-439, (1) EZSDI-498, (1) EZSDI-507, (1) EZSDI-258, (1) EZSDI-465, (1) EZSDI-112, (1) EZSDI-902</i>
<b>EZ-4-2YSPK</b>	Two-Year Spare Parts Kit for Y-ENHSDI <i>Includes (2) EZSDI-439, (1) EZSDI-498, (1) EZSDI-507, (1) EZSDI-258, (1) EZSDI-465, (1) EZSDI-112, (1) EZSDI-902</i>

### Spare Parts

Model No.	Description	Qty. in Pkg.	Model No.	Description	Qty. in Pkg.
<b>EZSDI-439</b>	¼" Fuse 2 Amp, 250v	1	<b>EZSDI-902</b>	Drain Solenoid Valve with Teflon Plunger	1
<b>EZSDI-257</b>	¼" ID Drain Tubing	5 Feet	<b>EZSDI-536</b>	Vent Solenoid Valve with Teflon Plunger (for Y-ENHSDI)	1
<b>EZSDI-133</b>	¼" OD Vent Tubing, 250 PSI	100 Feet	<b>EZSDI-112</b>	Water Vent Tubing Flow Orifice	1
<b>EZSDI-466</b>	Silicone O-Ring	1	<b>EZSDI-134</b>	Air and Water Vent Tubing Bulkhead connector	1
<b>EZSDI-496</b>	Disposable Filter Cartridges (EZSDIC & EHNSDI)	100	<b>EZSDI-256</b>	Drain Tube Hose Barb	1
<b>EZSDI-498</b>	Cartridge Filter Fitting (EZSDIC & EHNSDI)	1			
<b>EZSDI-903</b>	Manifold Solenoid Valve with Teflon Plunger	1			

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# POCKET WATER TESTERS



## TDS, pH & ORP Pocket Testers | HM Digital & Hanna

### TDS Pocket Testers for Testing Total Dissolved Solids in Water

Model No.	Description	Range	Brand
TDS-EZ	Pocket TDS Tester – ideal for end users	0-9990 ppm	HM Digital
TDS-3	Pocket TDS with ATC, includes case	0-9990 ppm	HM Digital
TDS-4	Pocket TDS small & light w/ATC	0-9990 ppm	HM Digital
TDS-4TM/A	Pocket TDS small & Light w/ digital therm. °C & ATC (Aquarium Packaging)	0-9990 ppm	HM Digital
AP-1	Pocket TDS Tester w/ digital temp. for ATC	0-5000 ppm	HM Digital
AP-2	Pocket Electrical Conductivity Tester w/digital temp. for ATC	0-9999 µS	HM Digital
HI98301	Pocket TDS Tester	10-1990 ppm	Hanna
HI98302	Pocket TDS Tester	100-10,000 ppm	Hanna
HI98203	Pocket TDS Tester SalinTest for NaCL (Aquarium)	0.00-1.00 pNaCL	Hanna



TDS-EZ



TDS-3



TDS-4



TDS-4TM/A



AP-1



AP-2



HI98301, 02 & 03

### pH Pocket Testers for Testing pH Levels in Water

Model No.	Description	Brand
PH-80	Economically priced water resistant pH meter measures pH (0-14) & temperature (1-80°C; 33-176°F) with auto-off, data-hold function, and low-battery indicator.	HM Digital
PH-200	Waterproof pH meter measures pH (0-14) & temperature (0-80°C; 32-176°F) with auto-off, data-hold function, and low-battery indicator.	HM Digital
HI98107	Pocket pH tester with LCD measures pH (0-14). Supplied with protective cap, calibration screwdriver & batteries. Must be calibrated with a buffer solution.	Hanna



PH-80



PH-200



HI98107

### ORP Pocket Testers for Testing Oxidation Reduction Potential (Redox) in Water

Model No.	Description	Range	Brand
ORP-200	Pocket ORP with temperature display, waterproof, 1 mV Resolution, ±2mV accuracy	-999 to +1000 mV	HM Digital
HI98201	Pocket ORP Tester , 1 mV Resolution, ±5 mV accuracy	±999 mV	Hanna



ORP-200



HI98201

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# POCKET WATER TESTERS



## Combo & Temperature Meters | HM Digital & Hanna

### Multi-Measurement Pocket Testers – Combo Meters for Water Quality Testing

Model No.	Description	Brand
COM-100	Waterproof EC/TDS/Temp Combo Meter Measures: <ul style="list-style-type: none"> <li>• Electrical Conductivity, Range: 0 - 9990 <math>\mu</math>S; 0 - 9.99 mS</li> <li>• TDS, Range: 0 - 8560 ppm (mg/L); 0 - 8.56 ppt</li> <li>• Temperature, Range: 0-80 <math>^{\circ}</math>C; 32-176 <math>^{\circ}</math>F</li> </ul>	HM Digital
HI98129	Waterproof pH/Conductivity/TDS Tester Measures: <ul style="list-style-type: none"> <li>• pH, Range: 0.00 to 14.00 pH</li> <li>• EC, Range: 0 to 3999 <math>\mu</math>S/cm</li> <li>• TDS, Range: 0 to 2000 ppm</li> <li>• Temperature, Range: 0.0 to 60.0<math>^{\circ}</math>C / 32 to 140.0<math>^{\circ}</math>F</li> </ul>	Hanna
HI98130	Waterproof pH/Conductivity/TDS Tester Measures: <ul style="list-style-type: none"> <li>• pH, Range: 0.00 to 14.00 pH</li> <li>• EC, Range: 0.00 to 20.00 mS/cm</li> <li>• TDS, Range: 0.00 to 10.00 ppt</li> <li>• Temperature, Range: 0.0 to 60.0<math>^{\circ}</math>C / 32 to 140.0<math>^{\circ}</math>F</li> </ul>	Hanna
HI98121	Waterproof Combo pH/ORP/Temp Tester With Automatic Temperature Compensation & Automatic Calibration Measures: <ul style="list-style-type: none"> <li>• ORP, Range: <math>\pm</math>1000 mV</li> <li>• pH, Range: -2.00 to 16.00 pH</li> <li>• Temperature, Range: -5.0 to 60.0<math>^{\circ}</math>C / 23.0 to 140.0<math>^{\circ}</math>F</li> </ul>	Hanna



COM-100      HI98129 & HI98130      HI98121

### Pocket Thermometers for Checking Water Temperature

Model No.	Description	Range	Brand
TM-1	Industrial Grade Digital $^{\circ}$ F/ $^{\circ}$ C Thermometer, SS Probe w/ 20" Cable, $\pm$ 1 $^{\circ}$ C Accuracy, 0.1 $^{\circ}$ F/ $^{\circ}$ C Resolution, Case Included	-58 to 482 $^{\circ}$ F -50 to 250 $^{\circ}$ C	HM Digital
HI98502	Checktemp $^{\circ}$ Fahrenheit Electronic Digital Thermometer, $\pm$ 0.5 $^{\circ}$ F Accuracy, 0.1 $^{\circ}$ F Resolution	-58.0 to 302.0 $^{\circ}$ F	Hanna
HI98501	Checktemp $^{\circ}$ Celsius Electronic Digital Thermometer, $\pm$ 0.3 $^{\circ}$ C Accuracy, 0.1 $^{\circ}$ C Resolution	-50.0 to 150.0 $^{\circ}$ C	Hanna
HI98510	Checktemp $^{\circ}$ 1 Fahrenheit Pocket Thermometer, SS Probe with 1m (3.3') cable, $\pm$ 0.5 $^{\circ}$ F Accuracy, 0.1 $^{\circ}$ F Resolution	-58.0 to 302.0 $^{\circ}$ F	Hanna
HI98509	Checktemp $^{\circ}$ 1 Celsius Pocket Thermometer, SS Probe with 1m (3.3') cable, $\pm$ 0.3 $^{\circ}$ C Accuracy, 0.1 $^{\circ}$ C Resolution	-50.0 to 150.0 $^{\circ}$ C	Hanna
HI98510-01	Checktemp $^{\circ}$ Dip Weighted Probe Precision Thermometer, Fahrenheit, with weighted probe and 3 m (9.9') cable, $\pm$ 0.9 $^{\circ}$ F Accuracy, 0.1 $^{\circ}$ F Resolution	-4.0 to 212 $^{\circ}$ F	Hanna



TM-1



HI98501 & HI98502



HI98509 & HI98510




HI98510-01

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## Handheld Portable Multi-Parameter Test Meters

### Ultrameter II Series Multi-Measurement Testers by Myron L

Ultrameter II Series Hand-Held Testers Feature: 4-Digit Display, Auto-ranging, Adjustable ATC, Adjustable Cond./TDS Ratio, 100-Reading Memory, Low Battery Indicator, Auto-Off.

Model No.	Measurements/Description
4PII	<ul style="list-style-type: none"> <li>Conductivity: 0-9,999 <math>\mu\text{S}/\text{cm}</math>, 10-200 <math>\text{mS}/\text{cm}</math></li> <li>Resistivity: 10K<math>\Omega</math>-30M<math>\Omega</math></li> <li>TDS: 0-9,999 ppm, 10-200 ppt</li> <li>Temperature: 32-160°F, 0-71°C</li> </ul>
6PIIFCE	<ul style="list-style-type: none"> <li>Conductivity: 0-9,999 <math>\mu\text{S}/\text{cm}</math>, 10-200 <math>\text{mS}/\text{cm}</math></li> <li>Resistivity: 10K<math>\Omega</math>-30M<math>\Omega</math></li> <li>TDS: 0-9,999 ppm, 10-200 ppt</li> <li>Free Chlorine: 0.00–10.00 ppm</li> <li>pH: 0-14</li> <li>ORP: <math>\pm 999\text{mV}</math></li> <li>Temperature: 32-160°F, 0-71°C</li> </ul>
RPR	 Replacement PH/ORP Probe for 6PIIFC Series



### TECHPRO II Series Conductivity/TDS/pH Testers by Myron L

TECHPROII Series Testers Feature: Memory storage (20 readings), Internal Sensor to prevent breakage, Auto shut-off for longer battery life, Lightweight and fits in the palm of your hand, Waterproof case.

Model No.	Measures	Image
TP1	<ul style="list-style-type: none"> <li>Conductivity: 0-9,999 <math>\mu\text{S}/\text{cm}</math>, 10-20 <math>\text{mS}/\text{cm}</math></li> <li>TDS: 0-9,999 ppm, 10-20 ppt</li> <li>Temperature: 32-160°F, 0-71°C</li> </ul>	
TPH1	<ul style="list-style-type: none"> <li>Conductivity: 0-9,999 <math>\mu\text{S}/\text{cm}</math>, 10-20 <math>\text{mS}/\text{cm}</math></li> <li>TDS: 0-9,999 ppm, 10-20 ppt</li> <li>pH: 0-14</li> <li>Temperature: 32-160°F, 0-71°C</li> </ul>	
TH1	<ul style="list-style-type: none"> <li>pH: 0-14</li> <li>Temperature: 32-160°F, 0-71°C</li> </ul>	

### Ultrameter III 9P - AHL Titration Kit by Myron L

The Ultrameter III performs in-cell conductometric titrations and provides a convenient way to determine alkalinity, hardness and LSI in the field. All required reagents and equipment are included in the 9P titration kit. Features: LSI Calculator, Autoranging, Adjustable ATC and Cond/TDS conversion ratios, 100-Reading Memory with Date & Time stamp, pH Calibration, Auto-off and Low Battery indicator.




Model No.	Measures:
9PTK	<ul style="list-style-type: none"> <li>Conductivity: 0–9,999 <math>\mu\text{S}/\text{cm}</math>, 10–200 <math>\text{mS}/\text{cm}</math> in 5 autoranges</li> <li>Resistivity: 10 K<math>\Omega</math>–30 M<math>\Omega</math></li> <li>TDS: 0–9,999 ppm 10–200 ppt in 5 autoranges</li> <li>pH: 0–14 pH</li> <li>ORP: <math>\pm 999\text{mV}</math></li> <li>Free Chlorine: 0.00–10.00 ppm (5&lt;pH&lt;9)</li> <li>Alkalinity Titration: 10-800 ppm</li> <li>Hardness Titration: 0-1710 ppm 0-100 grains</li> <li>LSI Titration: -10 to +10</li> <li>Temperature: 0–71°C/32–160°F</li> </ul>

## Handheld Portable Multi-Parameter Test Meters


### DS Conductivity/TDS Meters by Myron L

Model No.	Meter Type	# of Ranges	Range(s)
532T1	DS TDS Meter	3	0-50, 500, 5,000 ppm
532T2	DS TDS Meter	3	0-25, 250, 2,500 ppm
512T5	DS TDS Meter	1	0-5,000 ppm
512T10	DS TDS Meter	1	0-10,000 ppm
EP	DS Conductivity/Resistivity Meter	5	0-0.5, 5, 50, 500, 5,000 $\mu\text{M}/\mu\text{S}$ ; 2-30 $\text{M}\Omega$
EP-10	DS Conductivity Meter:	4	0-10, 100, 1,000, 10,000 $\mu\text{M}/\mu\text{S}$
532M1	DS Conductivity Meter:	3	0-50, 500, 5,000 $\mu\text{M}/\mu\text{S}$




### pDS pH/Conductivity/TDS Meters by Myron L

Model No.	Meter Type	# of Ranges	Range(s)
T2/PH	pDS pH/TDS Meter	3	0-50, 500, 5,000 ppm; 2-12 pH
T6/PH	pDS pH/TDS Meter	1	0-5,000 ppm; 2-12 pH
EP11/PH	pDS pH/Conductivity Meter	4	0-10, 100, 1,000, 10,000 $\mu\text{M}/\mu\text{S}$ ; 2-12 pH



### RO METER™ Reverse Osmosis Meters for Measuring Total Dissolved Solids by Myron L

Model No.	Description
RO-1	RO METER™ TDS Meter: 0-1,250 ppm (with color band), Single Range
RO-1NC	RO METER™ TDS Meter: 0-1,250 ppm (no color band), Single Range



### Carrying Cases for Myron L Testers

Model No.	Description
UPP	For all digital handheld models. Small hard foam-lined protective carry case.
UCC	For all digital handheld models. Soft protective Nylon padded case with zipper closure and belt clip for hands-free mobility.
PTP	For all analog handheld models. Small hard foam-lined protective carry case.



UPP



UCC



PTP

## Chemical Test Kits and Portable Photometers

### Chemical Test Kits by Hanna Instruments

Model No.	Description	Method	Approx. # of Tests	Range
HI38054	Ozone Test Kit	Checker Disc	100	0.0-2.3 mg/L
HI3812	Hardness Test Kit	Titration	100	0.0-30.0, 0-300 mg/L
HI3815	Chloride Test Kit	Titration	110	0-100, 0-1000 mg/L
HI3831F	Free Chlorine Test Kit	Colorimetric	50	0.0-2.5 mg/L
HI3824	Ammonia Fresh Water Test Kit	Colorimetric	25	0.0-2.5 mg/L
HI3847	Copper High Range Test Kit	Colorimetric	100	0.0-2.5 mg/L
HI3856	Copper Low Range Test Kit	Colorimetric	100	0.00-0.25 mg/L
HI93701-01	Free Chlorine Reagent Test Kit	DPD	100	0.00-5.00 mg/L
HI93711-01	Total Chlorine Reagent Test Kit	DPD	100	0.00-5.00 mg/mL
HI93734-01	Free & Total Chlorine, HR Reagent Test Kit	DPD	100	0.00-10.00 mg/L
HI93705-01	Silica Reagent Test Kit	LR Hetetopoly Blue	100	0.00-2.00 mg/L
HI93719-01	Hardness (MG) Reagent Test Kit	EDTA	100	0.00-2.00 mg/L
HI93720-01	Hardness & Calcium Reagent Test Kit	Calmagite	100	0.00-2.70 mg/L
HI93702-01	Copper HR Reagent Test Kit	Bicinchoninate Acid	100	0.00-5.00 mg/L
HI93746-01	Iron (Fe LR) Reagent Test Kit	TPTZ	50	0.00-1.00 mg/L
HI93721-01	Iron (Fe HR) Reagent Test Kit	Phenanthroline	100	0.00-5.00 mg/L
HI93728-01	Nitrate Reagent Test Kit	Cadmium Reduction	100	0.0-30.0 mg/L
HI93706-01	Phosphorous Reagent Test Kit	Amino Acid	100	0.0-15.0 mg/L
HI93710-01	pH Reagent Test Kit	Phenol Red	100	5.9(6.5)-8.5 pH



HI3812



HI3815



HI3831F



HI3824



HI3847



HI3856




HI93734



### Portable Photometers by Hanna Instruments

Model No.	For Testing	Range
HI96701	Free Chlorine Photometer	0.00-5.00 mg/L (ppm)
HI96711	Free and Total Chlorine Photometer	0.00-5.00 mg/L
HI96734	Free and Total Chlorine Photometer, High Range	0.00-10.00 mg/L
HI96706	Phosphorous Photometer	0.00-15.00 mg/L (ppm)
HI96738	Chlorine Dioxide Photometer	0.0-2.00 mg/L
HI96727	Color of Water Photometer	0-500 PCU
HI96747	Copper Photometer, Low Range	0.00-1.50 mg/L
HI96732	Dissolved Oxygen Meter	0.00-10.00 mg/L (ppm)
HI96719	Hardness Meter	0.00-2.00 mg/L
HI96720	Ca Hardness Photometer, Standard Method	0.00-2.70 mg/L
HI96721	Iron Photometer, High Range	0.00-5.00 mg/L
HI96728	Nitrate (as Nitrogen) Photometer	0.00-30.0 mg/L
HI96705	Silica Colorimeter	0.00-2.00 mg/L (ppm)



- CAL CHECK™
- User calibration
- Certified calibration and verification standards
- BEPS (Battery Error Prevention System)
- TIMER function
- Auto shut-off
- GLP Features



# HACH TEST KITS & COLORIMETERS



## Chemical Test Kits and Portable Colorimeters

Model No.	Description	Range	# of Tests
2601300	pH Color-Changing Paper Strips	0 - 14 pH	100 Strips
37633	pH Color-Changing Paper for Sewage Water	4.5 - 7.5 pH	(5) 15' Rolls (Approx. 450)
2444301	Alkalinity Test Kit	5-100 mg/L Alkalinity (P) 20-400 mg/L Total (MO) as CaCO <sub>3</sub>	100
144001	Chloride (Low Range) Silver Nitrate Titrant Test Kit with Low and High Test Ranges	Low: 5 - 100 mg/L Cl- High: 20 - 400 mg/L Cl-	100
223101	Chlorine (Free & Total) Powder DPD Reagent Color Disc Test Kit	0 - 3.4 mg/L	50F, 50T
2194100	Copper (Free & Total) Powder DPD Reagent Color Disc Test Kit	0 - 4 mg/L	50F, 50T
1453-00	Total Hardness (as CaCO <sub>3</sub> ) Drop Count Titration Test Kit	1 - 30 gpg	100
145700	Hardness, Total & Calcium (as CaCO <sub>3</sub> ) Drop Count Titration/EDTA Test Kit	1 - 20 gpg CaCO <sub>3</sub>	100
2291700	Hydrogen Peroxide (as H <sub>2</sub> O <sub>2</sub> ) Drop Count Titration Test Kit with Low and High Test Ranges	Low: 0.2 - 2.0 mg/L High: 1 - 10 mg/L	100
146400	Iron Color Disc Test Kit	0.1 - 5 mg/L	100
1416100	Nitrogen, Nitrate Color Disc Test Kit with Low and High Test Ranges	Low: 0.02 - 1 mg/L NO <sub>3</sub> <sup>-</sup> -N High: 0.2 - 10 mg/L NO <sub>3</sub> <sup>-</sup> -N	50
225001	Phosphate Test Kit, Total Ortho-/Meta- as PO <sub>4</sub> <sup>3-</sup> (requires hot acid digestion) with Low, Medium and High Test Ranges	Low: 0.02- 1; Medium: 0.1- 5; High: 1-40	50 C/T**†
1455400	Silica Color Disc Test Kit with Low and High Test Ranges	Low: 1 - 40 mg/L SiO <sub>2</sub> High: 20 - 800 mg/L SiO <sub>2</sub>	100
225100	Sulfate (as SO <sub>4</sub> <sup>2-</sup> ) Extinction/Turbidimetric Test Kit	50 - 200 mg/L	100
2518050	Ozone AccuVac® Color Disc Test Kit	0.05 - 1.6 mg/L O <sub>3</sub>	25



### Hach DR 900 Portable Colorimeter Series

**Part Number: 9385100**

The handheld colorimeter saves time in the field by allowing quick and easy access to the most used testing methods in less than four clicks. This colorimeter is waterproof, dustproof, shock resistant, and has been drop tested for greater quality assurance. This instrument comes with an intuitive user interface, a large data store data and a built-in USB port for easy transferring of information. The handheld colorimeter also helps satisfy core testing needs by offering at least 90 of the most common testing parameters.

Combining all of these features with a push button backlit display for use in low light areas, and you have a handheld colorimeter which is field ready in every way possible, and makes testing in harsh field environments a little less challenging.



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# TURBIDIMETER & STANDARD SOLUTIONS

## Turbidimeter & Calibration and Buffer Solutions

### Hach 2100Q Portable Turbidimeter

The 2100Q Portable Turbidimeter offers ease of use and accuracy in turbidity measurement, giving you accurate results every time.

- Easy on-screen assisted calibration and verification
- Accurate for rapidly settling samples
- Convenient data logging for up to 500 measurements
- Optical system for precision in the field



Model No.	Description	Range	Accuracy
2100Q01	Portable Turbidimeter w/ On-Screen Calibration & Verification and Data Logging.	0 - 1000 NTU	± 2 % of reading plus stray light
2100Q01USB*	2100Q Portable Turbidimeter with USB + Power Module		

\* The USB+Power Module provides additional benefit by allowing the user to transfer data to a PC in XML format, transfer data to the Citizen PD-24 printer (2960100), operate the instrument on line power (100-240Vac, 50/60 HZ), charge NiMH batteries (2971304), perform firmware updates, and quickly enter Sample and User IDs with the optional barcode scanner (LZV566).

### TDS Calibration Solutions by Myron L

442 Natural Water™ Standard Solution is NIST Traceable and is used in calibrating many test instruments. It is the best choice when measuring boiler and cooling water samples, city water supply, lakes, wells, etc. "442" refers to the combination of salts mixed with deionized water to comprise this standard: 40% sodium sulfate, 40% sodium bicarbonate, 20% sodium chloride. A combination of standard salts is necessary since natural water salt type and concentration can vary greatly by location.

Myron L Model No.	Old AMI Number	Calibration Value	Volume
442-15Q	T-TC0015	15ppm/23.8µS	1 Quart
442-30Q	T-TC0030	30ppm/46.7µS	1 Quart
442-300Q	T-TC0300	300ppm/445µS	1 Quart
442-500Q	T-TC0500	500ppm/731µS	1 Quart
442-1500Q	T-TC1500	1,500ppm/2,060µS	1 Quart
442-3000Q	T-TC3000	3,000ppm/3,900µS	1 Quart
442-3000Q	T-TC30000	30,000ppm/30,100µS	1 Quart



### pH Buffer Solutions by Myron L

pH Buffer Solutions 4, 7 and 10 are mold inhibited and accurate to within + 0.01 pH units @ 25°C. Myron L Buffers are traceable to NIST certified pH references and are color-coded for instant identification.

Myron L Model No.	Old AMI Number	Calibration Value	Liquid Color	Volume
PH4Q	T-PHB4	pH 4	Red	1 Quart
PH7Q	T-PHB7	pH 7	Yellow	1 Quart
PH10Q	T-PHB10	pH 10	Blue	1 Quart



### ORP Standard Test Solutions by Hanna

ORP standard solutions allow you to test the precision of ORP electrodes. For example, by immersing the electrode in HI 7020 solution, you should read within the 200 to 275 mV range (@20°C/68°F). If the reading is outside the indicated interval, clean and condition your ORP electrode in HANNA® pretreatment solution.

Model No.	Description	Volume
HI7020M	ORP Test Solution at 200/275 mV (@20°C)	230 mL bottle
HI7021M	ORP Test Solution at 240 mV (@20°C)	230 mL bottle
HI7022M	ORP Test Solution at 470 mV (@20°C)	230 mL bottle
HI7092M	Oxidizing Pretreatment Solution	230 mL bottle
HI7091M	Reducing Pretreatment Solution	230 mL bottle



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