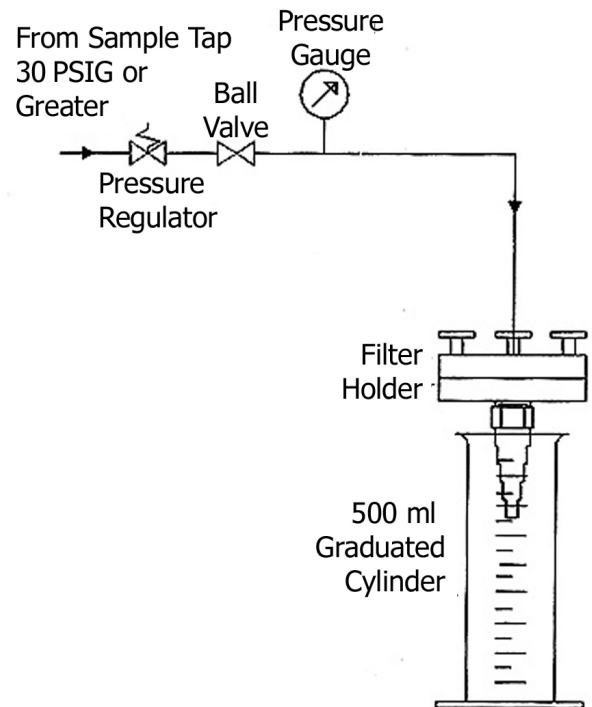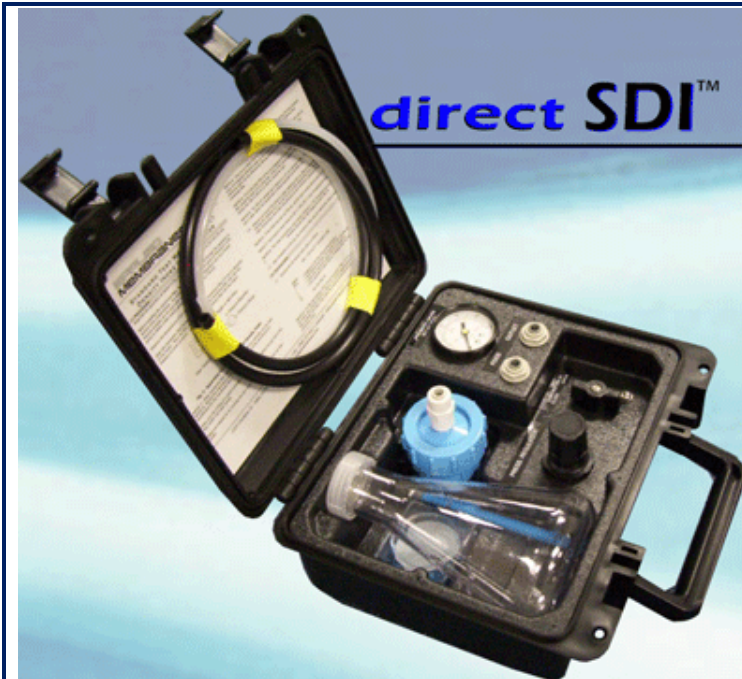# SILT DENSITY INDEX TESTING (SDI)

## 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 |
|-----------|-------------|
| **SDI-045** | Filters for SDI Testing, 0.45 Micron, 47 mm, Package of 100 |
| **SDI-FH2** | Filter Holder for SDI Kit (SDI-2000) |
| **SDI-FH** | 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.*

# 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) |

# 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 |
|---|---|
| **EZSDI-1** | EZ SDI™ – Automatic Silt Density Index Monitor, Performs 1 test a time with disposable cartridge filters     (25 Cartridges Included with System) |
| **EZSDI-4** | EZ SDI-4 Enhanced SDI – Automatic Silt Density Index Monitor will perform four separate tests before filter replacement is necessary. |
| **EZSDI-SS-USAU** | Sample sequencer for EZ SDI-4 Enhanced SDI – for use in USA only |
| **EZSDI-SS-INTU** | Sample sequencer for EZ SDI-4 Enhanced SDI – for use outside USA |

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

### Replacement Kits

| Model No. | Description |
|---|---|
| **EZ-SDI-2YSPK** | Two-Year Spare Parts Kit for for EZSDI-1 and EZSDI-4<br>*Includes (2) EZSDI-439, (1) EZSDI-498, (1) EZSDI-507, (1) EZSDI-258, (1) EZSDI-465, (1) EZSDI-112,  (1) EZSDI-902* |

### Spare Parts

| Model No. | Description | Qty. in Pkg. |
|---|---|---|
| **EZSDI-439** | ¼" Fuse 2 Amp, 250v | 1 |
| **EZSDI-257** | ¼" ID Drain Tubing | 5 Feet |
| **EZSDI-133** | ¼" OD Vent Tubing, 250 PSI | 100 Feet |
| **EZSDI-466** | Silicone O-Ring | 1 |
| **EZSDI-496** | Disposable Filter Cartridges (EZSDIC & EHNSDI) | 100 |
| **EZSDI-498** | Cartridge Filter Fitting  (EZSDIC & EHNSDI) | 1 |
| **EZSDI-903** | Manifold Solenoid Valve with Teflon Plunger | 1 |

| Model No. | Description | Qty. in Pkg. |
|---|---|---|
| **EZSDI-902** | Drain Solenoid Valve with Teflon Plunger | 1 |
| **EZSDI-536** | Vent Solenoid Valve with Teflon Plunger (for Y-ENHSDI) | 1 |
| **EZSDI-112** | Water Vent Tubing Flow Orifice | 1 |
| **EZSDI-134** | Air and Water Vent Tubing Bulkhead connector | 1 |
| **EZSDI-256** | Drain Tube Hose Barb | 1 |

# 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

# 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:<br>• Electrical Conductivity, Range: 0 - 9990 µS; 0 - 9.99 mS<br>• TDS, Range: 0 - 8560 ppm (mg/L); 0 - 8.56 ppt<br>• Temperature, Range: 0-80 °C; 32-176 °F | HM Digital |
| **HI98129** | Waterproof pH/Conductivity/TDS Tester Measures:<br>• pH, Range: 0.00 to 14.00 pH<br>• EC, Range: 0 to 3999 µS/cm<br>• TDS, Range: 0 to 2000 ppm<br>• Temperature, Range: 0.0 to 60.0°C / 32 to 140.0°F | Hanna |
| **HI98130** | Waterproof pH/Conductivity/TDS Tester Measures:<br>• pH, Range: 0.00 to 14.00 pH<br>• EC, Range: 0.00 to 20.00 mS/cm<br>• TDS, Range: 0.00 to 10.00 ppt<br>• Temperature, Range: 0.0 to 60.0°C / 32 to 140.0°F | Hanna |
| **HI98121** | Waterproof Combo pH/ORP/Temp Tester With Automatic Temperature Compensation & Automatic Calibration Measures:<br>• ORP, Range: ±1000 mV<br>• pH, Range: -2.00 to 16.00 pH<br>• Temperature, Range: -5.0 to 60.0°C / 23.0 to 140.0°F | Hanna |



*COM-100*   *HI98129 & HI98130*   *HI98121*

### Pocket Thermometers for Checking Water Temperature

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



*TM-1*          *HI98501 & HI98502*          *HI98509 & HI98510*          *HI98510-01*

# MYRON L DIGITAL INSTRUMENTS

**MYRON L COMPANY**

## 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** | • Conductivity:  0-9,999 μS/cm, 10-200 mS/cm<br>• Resistivity:  10KΩ-30MΩ<br>• TDS:  0-9,999 ppm, 10-200 ppt<br>• Temperature:  32-160°F, 0-71°C |
| **6PIIFCE** | • Conductivity:  0-9,999 μS/cm, 10-200 mS/cm<br>• Resistivity:  10KΩ-30MΩ<br>• TDS:  0-9,999 ppm, 10-200 ppt<br>• Free Chlorine:  0.00–10.00 ppm<br>• pH: 0-14<br>• ORP:  ±999mV<br>• Temperature:  32-160°F, 0-71°C |
| **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** | • Conductivity:  0-9,999 μS/cm, 10-20 mS/cm<br>• TDS:  0-9,999 ppm, 10-20 ppt<br>• Temperature: 32-160°F, 0-71°C | |
| **TPH1** | • Conductivity:  0-9,999 μS/cm, 10-20 mS/cm<br>• TDS:  0-9,999 ppm, 10-20 ppt<br>• pH:  0-14<br>• Temperature: 32-160°F, 0-71°C | |
| **TH1** | • pH:  0-14<br>• Temperature: 32-160°F, 0-71°C | |

### 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** | • Conductivity: 0–9,999 μS/cm, 10–200 mS/cm in 5 autoranges<br>• Resistivity: 10 KΩ–30 MΩ<br>• TDS: 0–9,999 ppm 10–200 ppt in 5 autoranges<br>• pH: 0–14 pH<br>• ORP: ±999 mV | • Free Chlorine: 0.00–10.00 ppm (5<pH<9)<br>• Alkalinity Titration: 10-800 ppm<br>• Hardness Titration: 0-1710 ppm 0-100 grains<br>• LSI Titration: -10 to +10<br>• Temperature: 0–71°C/32–160°F |

# MYRON L ANALOG INSTRUMENTS  MYRON L COMPANY

## 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 µM/µS; 2-30 MΩ |
| **EP-10** | DS Conductivity Meter: | 4 | 0-10, 100, 1,000, 10,000 µM/µS |
| **532M1** | DS Conductivity Meter: | 3 | 0-50, 500, 5,000 µM/µS |

### 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 µM/µS; 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*

# HANNA TEST KITS & PHOTOMETERS

**HANNA** instruments

## 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    HI93705, HI93719, HI93720, HI93702, HI93746, HI93728, HI93706, HI93710, HI93721

### 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 $CaCO_3$ | 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 $CaCO_3$) Drop Count Titration Test Kit | 1 - 30 gpg | 100 |
| 145700 | Hardness, Total & Calcium (as CaCO3) Drop Count Titration/EDTA Test Kit | 1 - 20 gpg CaCO3 | 100 |
| 2291700 | Hydrogen Peroxide (as $H_2O_2$) 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 $NO_3^--N$ High: 0.2 - 10 mg/L $NO_3^--N$ | 50 |
| 225001 | Phosphate Test Kit, Total Ortho-/Meta- as $PO_4^{3-}$ (requires hot acid digestion) with Low, Meidum 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 $SiO_2$ High: 20 - 800 mg/L $SiO_2$ | 100 |
| 225100 | Sulfate (as $SO_4^{2-}$) Extinction/Turbidimetric Test Kit | 50 - 200 mg/L | 100 |
| 2518050 | Ozone AccuVac® Color Disc Test Kit | 0.05 - 1.6 mg/L $O_3$ | 25 |



| 2601300 | 37633 | 2444301 | 144001 | 2231-01 | 1453-00 |



| 1457-00 | 14161-00 | 14554-00 | 2251-00 | 25180-50 |

### 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.

# 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 |