

## Colorimeter/Turbidimeter for Water Testing

### Products

|  | Description  | Price |
|--|--|-------|
| <a href="#">AquaKing® 5000</a>           | A simple reliable water testing instrument.              | \$690 |
| <a href="#">AquaKing® 5200</a>           | Same as AquaKing® 5000, but includes software and cable. | \$740 |
| <a href="#">AquaKing® 3000 EZ-Check™</a> | Accurate and easy to use.                                | \$320 |

### Simple Reliable Water Testing Instruments

#### AquaKing® 5000

The AquaKing® utilizes a patented Curve Fit (CF™) Technology delivering the most accurate results possible. Never return your colorimeter for calibration again. The AquaKing® automatically re-calibrates every time you scan your blank.



All these ingredients of water can be measured simply and instantaneously... Just add water!

| Regent Name          | Working Level | Regent Name      | Working Level | Regent Name         | Working Level  |
|----------------------|---------------|------------------|---------------|---------------------|----------------|
| Acidity              | 0 - 25 mg/L   | Cyanuric Acid    | 0 - 200 mg/L  | Orthophosphate Low  | 0 - 2 mg/L     |
| Alkalinity           | 0 - 50 mg/L   | Detergents       | 0 - 5 mg/L    | Orthophosphate High | 0 - 50 mg/L    |
| Aluminum             | 0 -- 2 ppm    | Dissolved Oxygen | 0 - 10 mg/L   | Ozone               | 0 - 5 mg/L     |
| Ammonia              | 0 - 5 mg/L    | Fluoride Low     | 0 - 2 mg/L    | pH                  | 6.4 - 8.3      |
| Ammonia (Salicylate) | 0 - 1 ppm     | Fluoride High    | 0 - 6 mg/L    | pH                  | 7.6 - 9.6      |
| Arsenic              | 0 - 0.5 mg/L  | Formaldehyde     | 0 - 100 mg/L  | Phenol              | 0 - 5 mg/L     |
| Barium               | 0 - 50 mg/L   | Hex Chrome       | 0 - 0.7 mg/L  | Phosphorous Total   | 0 - 50 mg/L    |
| Boron                | 0 - 15 mg/L   | Hydrazine        | 0 - 0.5 mg/L  | Potassium           | 0 - 10 mg/L    |
| Bromine              | 0 - 8 mg/L    | Iodine           | 0 - 10 mg/L   | Silica Low          | 0 - 10 mg/L    |
| Cadmium              | 0 - 0.1 mg/L  | Iron             | 0 - 4 mg/L    | Silica High         | 0 - 100 mg/L   |
| Calcium Hardness     | 0 - 300 mg/L  | Lead             | 0 - 2 mg/L    | Silver              | 0 - 5 mg/L     |
| Chloramine T         | 0 - 20 mg/L   | Magnesium        | 0 - 10 mg/L   | Sulfate             | 0 - 300 mg/L   |
| Chloride             | 0 - 300 mg/L  | Manganese Low    | 0 - 3 mg/L    | Sulfide             | 0.1 - 1.8 mg/L |
| Chlorine Free        | 0 - 4 mg/L    | Manganese High   | 0 - 20 mg/L   | Tannin & Lignin     | 0 - 7 mg/L     |
| Chlorine Total       | 0 - 4 mg/L    | Mercury          | 0 - 2 mg/L    | Total Hardness      | 0 - 400 mg/L   |
| Chlorine Dioxide     | 0.1 - 4 mg/L  | Molybdenum       | 0.5 - 35 mg/L | Total Chrome        | 0 - 0.7 mg/L   |

|              |               |              |              |                 |             |
|--------------|---------------|--------------|--------------|-----------------|-------------|
| Chromate     | 0 - 100 mg/L  | Nickel       | 0 - 10 mg/L  | Turbidity (NTU) | 0 - 1 NTU   |
| CO2          | 0 - 500 mg/L  | Nitrate Low  | 0 - 4 mg/L   | Turbidity (NTU) | 0 - 100 NTU |
| Color        | 0 - 500 Alpha | Nitrate High | 0 - 100 mg/L | Turbidity (NTU) | 0 - 800 NTU |
| Copper       | 0 - 3 mg/L    | Nitrite      | 0 - 0.4 mg/L | Zinc            | 0 - 5 mg/L  |
| Cyanide Free | 0 - 0.3 mg/L  |              |              |                 |             |



#### FEATURES

- Step by step instructions are programmed into the instrument and displayed on a large 4 line display
- 60 pre-programmed tests including EPA 180.1 Turbidity Method
- Automatic wavelength selection
- Stores up to 99 test results in memory to be used for data logging purposes (date and time stamped) and the results can easily be downloaded to your PC
- The AquaKing® is programmable for a customized battery of tests to save the user time in the field.
- Use either AC power supply or 4 "AA" batteries
- Comes with a durable carrying case
- Warranty - 3 year

#### ADVANTAGES

- Patented Curve Fit (CF™) Technology is superior to conventional colorimetric technology available on the market
- Not affected by turbidity, temperature variances or stray light
- The AquaKing® never needs recalibration! (It recalibrates automatically every time you use it)
- Easy to use on-screen instructions
- Upgradeable for custom testing applications - our chemists are always available for consultation for special testing applications

#### AquaKing® Specifications Curve Fit (CF™) Technology Patent #6404500

- Light Source: Multiple LED's
- Detector: Silicon Photodiode
- Wavelengths: 425-660nm
- Display: 4 x 16 line graphics
- Resolution: 1% Transmission
- Accuracy: +/- 2% FS
- CE Mark: Yes
- Vial Size: 17mm Diameter
- Power: AC or (4) AA Batteries
- Battery Life: Typically 6 months
- Data Logging: Up to 99 tests - date, time & test stamped
- Readout Mode: % Transmission, Absorbance, or Concentration
- Calibration: Not required - self calibrating
- Keypad: 7 button membrane switch
- Size: 3.9" W x 8.25" L x 2.2" D
- Weight: 18 Ounces
- Warranty: 3 years from date of purchase

## EZ-Check™ Accurate and Easy to Use

### AquaKing® 3000 EZ-Check™

The EZ-Check™ colorimeter utilizes our patented Curve Fit (CF™) Technology and is custom built to perform only the tests that you want - You choose the parameters.

Never return your colorimeter for calibration again. The EZ-Check™ automatically re-calibrates every time you scan your blank.



#### FEATURES

- Easy to use - built-in Menu-driven Instructions on a two line, 16 character display
- Custom programmed for up to 14 tests
- Automatic wavelength selection
- Uses (2) "AA" batteries with auto-shutoff
- Comes with a durable carrying case
- Warranty - 3 year

#### ADVANTAGES

- Patented Curve Fit (CF™) Technology is superior to conventional colorimetric technology available on the market
- Not affected by turbidity, temperature variances or stray light
- The EZ-Check™ never needs recalibration! (It recalibrates automatically every time you use it)
- Upgradeable for custom testing applications - our chemists are always available for consultation for special testing applications

#### EZ-Check™ Specifications Curve Fit (CF™) Technology Patent #6404500

- Light Source: Multiple LED's
- Detector: Silicon Photodiode
- Wavelengths: 425-660nm
- Display: 2 x 16 line graphics
- Resolution: 1% Transmission
- Accuracy: +/- 2% FS
- Vial Size: 17mm Diameter
- Power:(2) AA Batteries
- Battery Life: Typically 6 months
- Readout Mode: % Transmission, Absorbance, or Concentration
- Calibration: Not required - self calibrating
- Keypad: 4 button membrane switch
- Size: 3.5" W x 6.5" L x 1.25" D
- Weight: 9.3 Ounces
- Warranty: 3 years from date of purchase

All EZ-Checks come with hard shell carrying case or one kit of 50 tests

PLEASE NOTE: Since the EZ-check™ can accommodate up to 14 different tests depending on the tests chosen, call for pricing and further information on multiple parameter options.

## Reagent Delivery System - Easy, Safe & Accurate

The Hydrodyne Reagent System is the simplest to use in the industry. Reagent vials are pre-measured and pre-filled. All you need to do. Just Add Water. Our pre-filled vials will save time and money.

### ADVANTAGES

- More accurate - no measuring and mixing in the field reduces the chance for human error
- Safer to use - nothing to contaminate the ground or come in contact with eyes/skin and no breaking glass of vacuum filled vials
- No wasted time cleaning glassware - a fresh vial every time you test
- Available in boxes of 50 vials or trays of 250 vials or bulk quantities

Our unique vial reagent system provides the fastest, easiest and most accurate method for analyzing your samples. Forget about using clumsy spoons and pipets because almost all tests come pre-filled in each vial with the reagents you need. **Just add water!**

**TECHNICAL NOTES: to be added**