



Checker[®]

Handheld Colorimeters



 **HANNA[®]**
instruments

Features

- **Easier to use and more accurate than chemical test kits**
 - High accuracy
 - Large, easy to read digits
 - Auto shut off
 - Eliminates subjectivity
- **Dedicated to a single parameter**
 - Designed to work with Hanna's reagent
 - Uses 10 mL glass cuvettes
- **Small size, big convenience**
 - Weighing a mere 64 g (2.25 oz.)
 - Checker®HC easily fits in your palm or pocket
 - Use for quick and accurate on the spot analysis
 - Single button operation: zero and measure
 - Operated by a single AAA battery

Checker® HC

The Hanna Checker®HC bridges the gap between simple chemical test kits and professional instrumentation. Chemical test kits are limited in their resolution and accuracy while professional instrumentation, but can cost hundreds of dollars and can be time consuming to calibrate and maintain. As a digital meter, the Checker®HC offers high resolution and increases accuracy while remaining as affordable as a chemical test kit.

The contoured style of the Checker®HC fits in your palm or pocket perfectly and the large LCD is easy to read. The auto shut-off feature assures the battery life will not be drained if you forget to turn it off.

The Checker®HC is extremely simple to use with one button. First, zero the instrument with your water sample. Next, add the reagent. Last, place the vial into the Checker®HC, press the button and read the results. It's that easy.

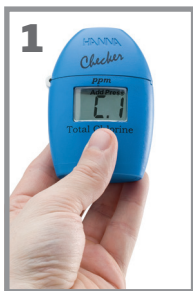
Checker®
handheld colorimeter



General Specifications

Light Detector	silicon photocell
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Battery Type	(1) 1.5V AAA
Dimensions	81.5 x 61 x 37.5 mm (3.2 x 2.4 x 1.5")
Weight	64 g (2.25 oz.)

Hanna Checkers provide quick, accurate results in four 4 easy steps



1 "Zero" the Checker® as required in specific procedure



2 Add reagent to your water sample

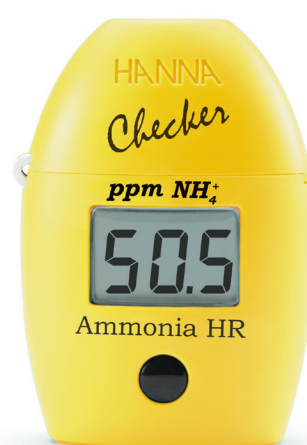
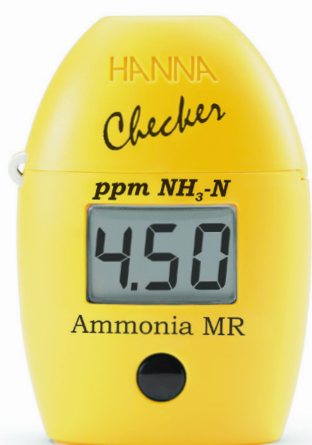


3 Place the vial into your Checker®



4 Press the button and read the results.

Checker® Models



Specifications

HI 700 Ammonia Low Range

Range	0.00 to 3.00 ppm NH ₃ -N
Resolution	0.01 ppm
Accuracy @ 25°C	±0.05ppm ± 5% of reading
Light Source	Photodiode @470 nm
Auto-off	After 10 min. of inactivity
Method	Adaptation of the ASTM Manual of Water and Environmental Technology, D1426-92, Nessler method. The reaction between ammonia and reagents causes a yellow tint in the sample.

HI 715 Ammonia Medium Range

Range	0.00 to 9.99 ppm NH ₃ -N
Resolution	0.01 ppm
Accuracy @ 25°C	±0.05ppm ±5% of reading
Light Source	Photodiode @470nm
Auto-off	After 10 min. of inactivity
Method	Adaptation of the ASTM Manual of water and Enviromental Technology D1426-92, Nessler Method. The reaction between ammonia and reagents causes a yellow tint in the sample.

HI 733 Ammonia High Range

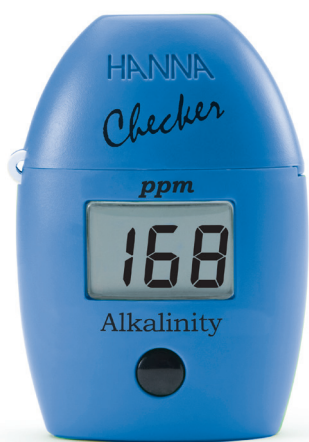
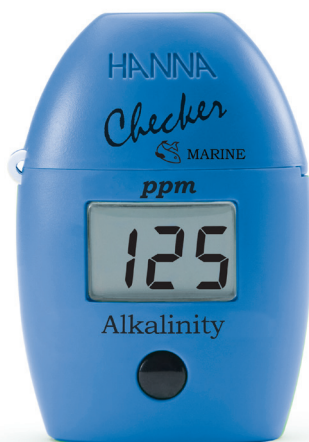
Range	0.0 to 99.9 ppm as NH ₄ +
Resolution	0.1 ppm
Accuracy @ 25°C	±1.0ppm ±5% of reading
Light Source	Photodiode @470nm
Auto-off	After 10 min. of inactivity
Method	Adaptation of the ASTM Manual of water and Enviromental Technology D1426-92, Nessler Method. The reaction between ammonia and reagents causes a yellow tint in the sample.

Ordering Information

The HI 700 Checker® is supplied with sample cuvettes with caps (2), liquid reagent, battery, and instructions.

The HI 715 Checker® is supplied with sample cuvettes with caps (2), liquid reagent, battery, and instructions.

The HI 733 Checker® is supplied with sample cuvettes with caps (2), liquid reagent, battery, and instructions.



Specifications

HI 755 Alkalinity

Range	0 to 300 ppm (mg/L)
Resolution	1 ppm (mg/L)
Accuracy @ 25°C	±5 ppm (mg/L) ±5% of reading
Light Source	LED @ 610 nm
Auto-off	After 10 min. of inactivity
Method	Colorimetric method. The reaction causes a distinctive range of colors from yellow to blue to develop. This meter has been developed to work with fresh water samples.

HI 775 Alkalinity for fresh water

Range	0 to 500 ppm
Resolution	1 ppm
Accuracy @ 25°C	±5ppm ± 5% of reading
Light Source	Photodiode @610 nm
Auto-off	After 10 min. of inactivity
Method	Colorimetric method. The reaction causes a distinctive range of colors from yellow to blue to develop. This meter has been developed to work with fresh water samples.

HI 716 Bromine

Range	0.0 to 8.0 ppm
Resolution	0.1 ppm
Accuracy @ 25°C	±0.1 ppm ±5% of reading
Light Source	Photodiode @525 nm
Auto-off	After 10 min. of inactivity
Method	Adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, DPD method. The reaction between bromin and the reagent causes a pink tint in the sample.

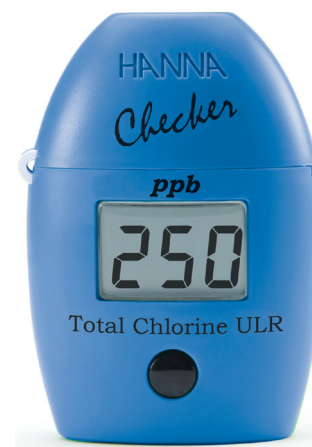
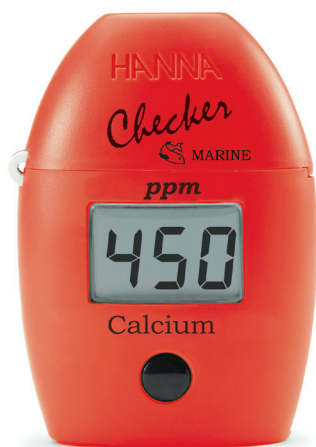
Ordering Information

HI 755 Checker® is supplied with sample cuvettes with caps (2), liquid reagent, syringe with tips, battery, and instructions.

The HI 775 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

The HI 716 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

Checker® Models



Specifications

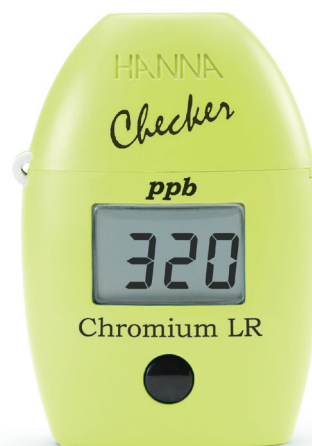
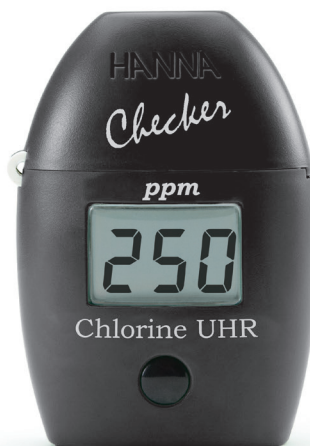
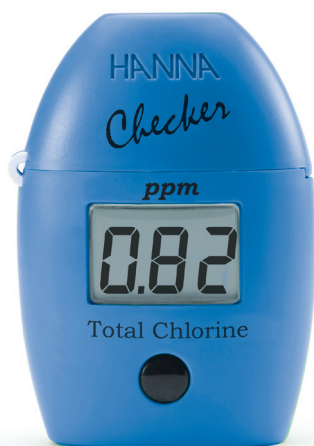
	HI 758 Calcium	HI 701 Free Chlorine	HI 761 Total Chlorine Ultra Low Range
Range	200 to 600 ppm (mg/L)	0.00 to 2.50 ppm (mg/L)	0 to 500 ppb
Resolution	1 ppm (mg/L)	0.01 ppm (mg/L)	1 ppb
Accuracy @ 25°C	±6% of reading	±0.03 ppm ±3% of reading	±5ppb ± 5% of reading
Light Source	LED @ 610 nm	LED @ 525 nm	Photodiode @525 nm
Auto-off	After 10 min. of inactivity	After 2 min. of inactivity or 10 seconds after reading	After 10 min. of inactivity
Method	Adaptation of the zincon method	Adaptation of USEPA method 330.5, DPD method. The reaction between the chlorine and DPD reagent causes a pink tint in the sample.	Adaptation of the USEPA method 330.5. The reaction between the chlorine and DPD reagent causes a pink tint in the sample.

Ordering Information

The HI 758 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

HI 701 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

The HI 761 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.



Specifications

	HI 711 Total Chlorine	HI 771 Total Chlorine Ultra High Range	HI 749 Chromium VI Low Range
Range	0.00 to 3.50 ppm (mg/L)	0 to 500 ppm	0 to 300 ppb
Resolution	0.01 ppm (mg/L)	1 ppm	1 ppb
Accuracy @ 25°C	±0.03 ppm ±3% of reading	±3 ppm ± 5% of reading	±3 ppb ±5% of reading
Light Source	LED @ 525 nm	Photodiode @525 nm	Photodiode @525 nm
Auto-off	After 2 min. of inactivity or 10 seconds after reading	After 10 min. of inactivity	After 10 min. of inactivity
Method	Adaptation of USEPA method 330.5, DPD method. The reaction between the chlorine and DPD reagent causes a pink tint in the sample.	Adaptation of The standard methods for water and wastewater 4500Cl.	Adaptation of the ASTM Manual of Water and Environmental Technology, D1687-92, Diphenylcarbohydrazide method. The reaction between chromium VI and the reagent causes a purple tint in the sample.

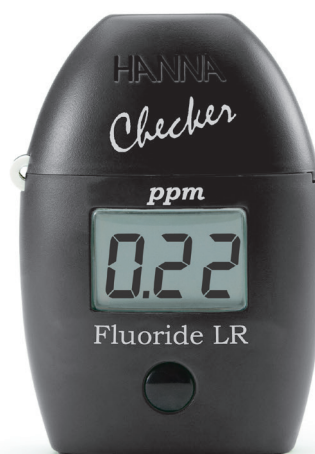
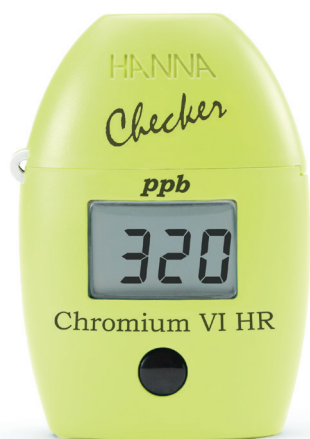
Ordering Information

HI 711 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

The HI 771 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery and instructions.

The HI 749 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

Checker® Models



Specifications

HI 723 Chromium High Range

Range	0 to 999 ppb (µg/L)
Resolution	1 ppb
Accuracy @ 25°C	±5 ppb ±5% of reading
Light Source	LED @ 525 nm
Auto-off	After 10 min. of inactivity
Method	Adaptaion of the ATSM, Manual of Water and Enviornmental Technology, D 1687-92, Diphenylcarbohydrazide method

HI 727 Color of Water

Range	0 to 500 PCU
Resolution	5 PCU
Accuracy @ 25°C	±10 PCU ±5% of reading
Light Source	LED @ 470 nm
Auto-off	After 10 min. of inactivity
Method	Adepton of Standard Method for the Examination of Water and Wastewater, 21st edition, Colorimetric Platinum Cobalt method

HI 729 Fluoride Low Range

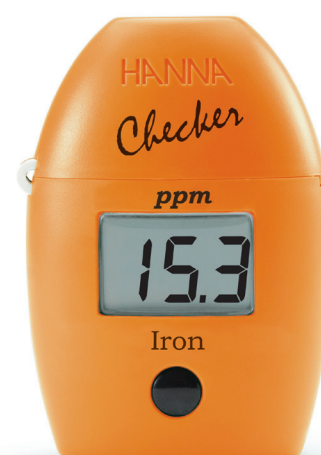
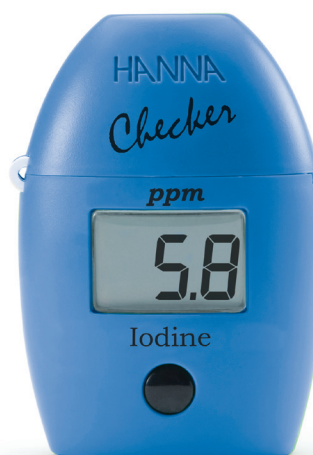
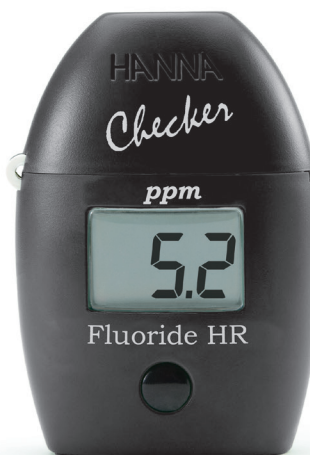
Range	0.00 to 2.00 ppm (mg/L)
Resolution	0.01 ppm
Accuracy @ 25°C	±0.10 ppm ±5% of reading
Light Source	LED @ 575 nm
Auto-off	After 2 min. of inactivity or 10 seconds after reading
Method	Adaptation of the EPA method 340.1 and Standard Methods for the Examination of Water and Wastewater, 20th Edition, SPADNS method

Ordering Information

HI 723 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

The HI 727 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery and instructions.

HI 729 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.



Specifications

HI 739 Fluoride High Range

Range	0.0 to 20.0 ppm (mg/L)
Resolution	0.1 ppm
Accuracy @ 25°C	±0.5 ppm ± 5% of reading
Light Source	LED @ 575 nm
Auto-off	After 2 min. of inactivity or 10 seconds after reading
Method	Adaptation of SPADNS method

HI 718 Iodine

Range	0.0 to 12.5 ppm (mg/L)
Resolution	0.1 ppm (mg/L)
Accuracy @ 25°C	±0.1 ppm ±5% of reading
Light Source	LED @ 525 nm
Auto-off	After 2 min. of inactivity or 10 seconds after reading
Method	Adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, DPD method.

HI 721 Iron

Range	0.00 to 5.00 ppm (mg/L)
Resolution	0.01 ppm (mg/L)
Accuracy @ 25°C	±0.04 ppm ±2% of reading
Light Source	LED @ 525 nm
Auto-off	After 3 min. of inactivity or 10 seconds after reading
Method	Adaptation of the EPA. Phenantroline method 315 B, for natural and treated waters.

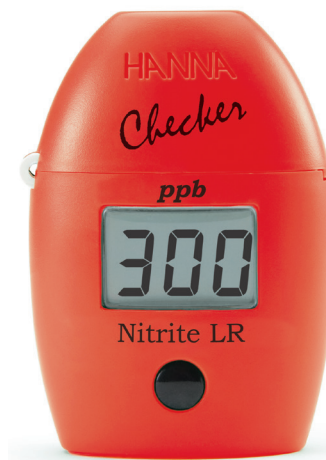
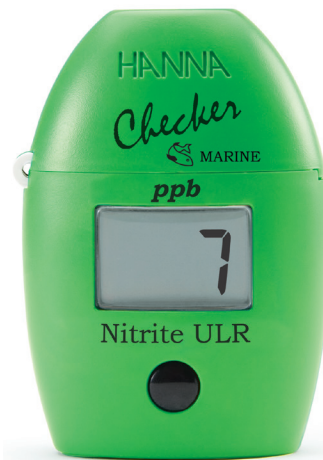
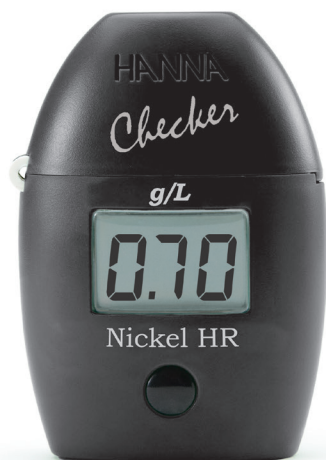
Ordering Information

HI 739 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

HI 718 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

HI 721 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

Checker® Models



Specifications

HI 726 Nickel High Range

Range	0.00 to 7.00 g/L
Resolution	0.01 g/L
Accuracy @ 25°C	±0.010 g/L ±5% of reading
Light Source	LED @ 575 nm
Auto-off	After 3 min. of inactivity or 10 seconds after reading

HI 764 Nitrite Ultra Low Range

Range	0 to 200 ppb
Resolution	1 ppb
Accuracy @ 25°C	±10 ppb ±4% of reading
Light Source	LED @ 525 nm
Auto-off	After 2 min. of inactivity

HI 707 Nitrite Low Range

Range	0 to 600 ppb NO ₂ -N
Resolution	1 ppb
Accuracy @ 25°C	±20 ppb ± 5% of reading
Light Source	Photodiode @470 nm
Auto-off	After 10 min. of inactivity

Method Adaptation of the photometric method

Adaptation of the EPA Diazotization method 354.1

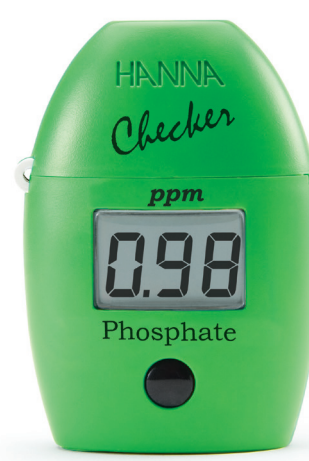
Adaptation of EPA diazotization method 354.1. The reaction between nitrite and the reagent causes a pink tint in the sample.

Ordering Information

HI 726 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

HI 764 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

The HI 707 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.



Specifications

HI 708 Nitrite High Range

Range	0 to 150 ppm
Resolution	1 ppm
Accuracy @ 25°C	±3 ppm ±5% of reading
Light Source	Photodiode @575 nm
Auto-off	After 10 min. of inactivity

HI 713 Phosphate Low Range

Range	0.00 to 2.50 ppm (mg/L)
Resolution	0.01 ppm (mg/L)
Accuracy @ 25°C	±0.04 ppm (mg/L) ±4% of reading
Light Source	LED @ 525 nm
Auto-off	After 2 min. of inactivity or 10 seconds after reading

Method Adaptation of the Ferrous Sulfate method. The reaction between nitrite and the reagent causes a greenish/brown tint in the sample

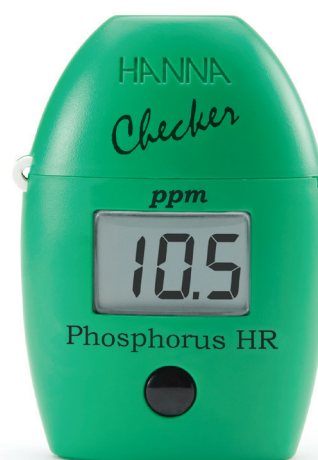
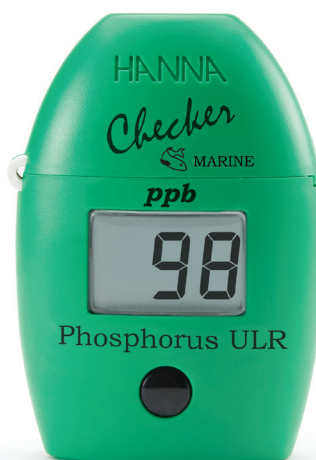
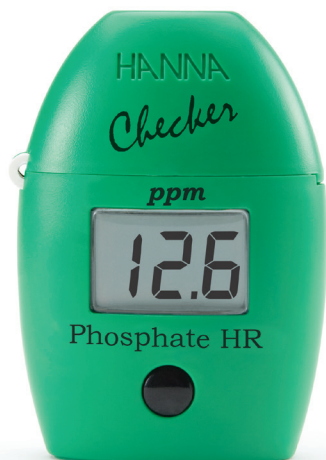
Adaptation of the Standard Methods for the Examination of Water and Wastewater, 20th edition, Ascorbic Acid method

Ordering Information

The HI 708 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

HI 713 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

Checker® Models



Specifications

HI 717 Phosphate High Range

HI 736 Phosphorus Ultra Low Range

HI 706 Phosphorus High Range

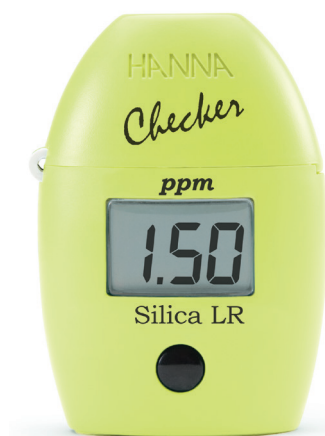
Range	0.0 to 30.0 ppm (mg/L)	0 to 200 ppb	0.0 to 15.0 ppm
Resolution	0.1 ppm (mg/L)	1 ppb	0.1 ppm
Accuracy @ 25°C	±1.0 ppm (mg/L) ±5% of reading	±5 ppb ±5% of reading	±0.3 ppm ±5% of reading
Light Source	LED @ 525 nm	LED @ 525 nm	LED @ 525 nm
Auto-off	After 2 min. of inactivity or 10 seconds after reading	After 2 min. of inactivity or 10 seconds after reading	After 2 min. of inactivity or 10 seconds after reading
Method	Adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, Amino Acid method	Adaptation of the Standard Methods for the Examination of Water and Wastewater, 20th edition, Ascorbic Acid method	Adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th Edition, Heteropoly-molybdenum Blue method.

Ordering Information

HI 717 Checker® is supplied with sample cuvettes with caps (2), reagents (liquid and powder), battery, and instructions.

HI 736 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.

HI 706 Checker® is supplied with sample cuvettes with caps (2), reagents (liquid and powder), battery, and instructions.



Specifications

HI 705 Silica Low Range

HI 770 Silica High Range

Range	0.00 to 2.00 ppm	0 to 200 ppm
Resolution	0.01 ppm	1 ppm
Accuracy @ 25°C	±0.03ppm ± 5% of reading	±2 ppm ±5% of reading
Light Source	Photodiode @610 nm	LED @ 470 nm
Auto-off	After 10 min. of inactivity	After 2 minutes of inactivity
Method	Adaptation of the ASTM D859 method of heteropoly blue method. The reaction between silica and reagents causes a blue tint in the sample	Adaptation of the USEPA METHOD 370.1 for drinking, surface and saline waters, domestic and industrial wastes and Standard Method 4500-SiO2 C

Ordering Information

The HI 705 Checker® is supplied with sample cuvettes with caps (2), reagents (liquid and powder), battery, and instructions.

HI 770 Checker® is supplied with sample cuvettes with caps (2), powder reagents, battery, and instructions.



We Design, Manufacture, Supply and Support All of Our Products.

When you buy a Hanna product, you're not only buying the best value for your money, but you're also receiving the benefit of Hanna's unsurpassed customer service and post-sale technical support.

With 60 offices in over 40 countries, Hanna dedicates itself to be a worldwide leader in service and selection.

Offering research grade quality at competitive prices, every Hanna office strives to work with each customer to develop a solution tailored to their needs, on their budget.

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