HI719 · HI720

Magnesium and Calcium Hardness

Handheld Colorimeters

- Easier to use and more accurate than chemical test kits
- Dedicated to a single parameter
- Small size, big convenience
- Ideal for:
  - Water purification systems
  - Heating and cooling systems
  - Drinking water
  - Wastewater

The HI719 and HI720 are a simple, accurate, and cost effective way to measure magnesium and calcium hardness respectively.

The HI719 uses an adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, EDTA colorimetric method. The reaction between magnesium and reagents causes a reddish-violet tint in the sample.

The HI720 uses an adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, Calmagite method. The reaction between calcium and reagents causes a reddish-violet tint in the sample.

Specifications	HI719 (Magnesium Hardness)	HI720 (Calcium Hardness)
Range	0.00 to 2.00 ppm	0.00 to 2.70 ppm
Resolution	0.01 ppm	0.01 ppm
Accuracy @25°C (77°F)	±0.20 ppm ±5% of reading	±0.20 ppm ±5% of reading
Light Source	LED @ 525 nm	
Light Detector	silicon photocell	
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
Battery Type	1.5V AAA (1)	
Auto-off	after ten minutes of non-use	
Dimensions	86.0 x 61.0 x 37.5 mm (3.4 x 2.4 x 1.5")	
Weight	64 g (2.3 oz)	
Method	adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, EDTA colorimetric method. The reaction between magnesium and reagents causes a reddish-violet tint in the sample	adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, Calmagite method. The reaction between calcium and reagents causes a reddish-violet tint in the sample
Ordering Information	**HI719** Checker®HC is supplied with sample cuvettes with caps (2), magnesium hardness reagent starter kit (reagents for 25 tests), syringes with tips (2), plastic beaker, battery, instructions, and quick start guide. **HI720** Checker®HC is supplied with sample cuvettes with caps (2), calcium hardness reagent starter kit (reagents for 25 tests), syringes with tips (2), plastic beaker, battery, instructions, and quick start guide.	
Reagent Set	**HI719-25** (25 tests)	**HI720-25** (25 tests)
Calibration Set	**HI719-11**	**HI720-11**

See page 10.138 for Checker HC accessories