

SP 510™ Hardness Monitor For reliable, continuous hardness monitoring.



THERE'S ONLY ONE WAY TO BE SURE.



State-of-the-Art Hardness Monitoring

The SP 510 is the latest in Hach's long line of water hardness monitoring systems – rugged, lightweight, self-contained. Ideal for use in commercial and industrial environments – laundries, hotels, hospitals, industrial plants – where water hardness must be monitored "real-time," the SP 510 offers reliable, continuous monitoring, significantly reducing water softener expenses.

Convenient, Trouble-Free Operation

The SP 510 samples water every two minutes, operating automatically for up to 60 days – the ultimate in trouble-free, hands-off operation. Maintenance? Fifteen minutes every two months! A new ABS case means less weight, higher durability and superior resistance to corrosion. A large window allows instant checking of reagent levels.

Simple – Automated Calibration

Calibrate the SP510 in less than 6 minutes. An automated LED light will prompt you for each step and indicates a successful calibration.

Automatic Softener Regeneration

SPDT relay can trigger automatic regeneration of water softener when depleted – increasing softener cycle time and saving money.

World-famous Hach Reagents

Famous Hach quality and efficiency – now, 50% less reagent required for 60-day cycle. Reagent levels are easy to see through a large window.



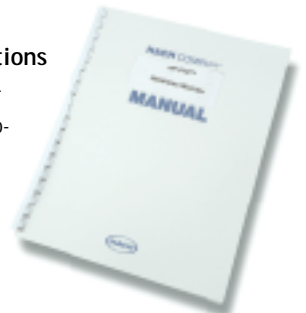
Learn More About the SP 510 Hardness Monitor

- Laundries
- HVAC Systems
- Industrial Plants
- Hospitals and Nursing Homes
- Boilers and Coolers
- Hotels, Motels, Resorts

Call us today at **800-227-4224** to find out how the Hach SP 510 Hardness Monitor can help in your application. Or visit us on-line at www.hach.com.

Clear, Complete Instructions

The SP 510 Hardness Monitor comes with complete, easy-to-use illustrated instructions for installing, calibrating, operating, and troubleshooting the unit.



Easy-to-Read Alarm or Automatic Regeneration

Precision colorimetric determination of water hardness triggers an alarm when hardness level is exceeded (eight levels available). Choose between simple LED alarm or the built-in SPDT relay to activate automatic softener regeneration.

Call Hach, the world leader in water testing. Ask for our free data sheet #1457 on the new SP 510 Hardness Monitor.

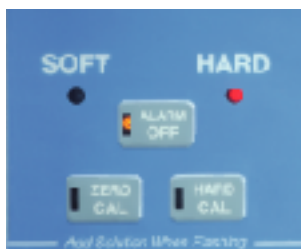
800-227-4224



**THERE'S ONLY ONE
WAY TO BE SURE**



Two consecutive "HARD" readings are required to activate alarm circuits – eliminating false alarms.



Easy-to-Read Display

A bright LED display reports water condition – HARD or SOFT – instantly.

Fast, Accurate Sampling, Mixing and Reading

A linear peristaltic pump, seal-free solid state mixer, and compact colorimeter combine to create reliable, maintenance-free readings.

New, Lightweight Case

ABS enclosure is lighter, stronger, and more corrosion-resistant than previous models. A large window allows easy observation of reagent supply and indicator LEDs without opening the instrument. Includes built-in brackets for easy wall mounting.

SP 510 Specifications*

Range

Hardness levels: 0.3, 1, 2, 5, 10, 20, 50, 100 ppm (expressed as mg/L CaCO₃)

Accuracy

± 25% of set point value

Repeatability

± 10% of set point value in 0.3-2 mg/L ranges
± 4% of set point value in 5-100 mg/L ranges

Cycle Time

2.0 minutes

Output

One SPDT relay

Dimensions

Approximately 16.5 in. tall, 7 in. deep, 12.5 in. wide

Weight

25 lbs (11.3 kg)

Enclosure

ABS plastic, IP62 enclosure rating, plastic window

Power

120/220 VAC, 50/60Hz, selectable

Certification

NRTL certified to UL and CSA standards, and CE approved

**Call 800-227-4224 to order the
SP 510 Hardness Monitor**

Catalog Numbers

54100-03	SP 510 with 0.3 mg/L Trip Point
54100-01	SP 510 with 1 mg/L Trip Point
54100-02	SP 510 with 2 mg/L Trip Point
54100-05	SP 510 with 5 mg/L Trip Point
54100-10	SP 510 with 10 mg/L Trip Point
54100-20	SP 510 with 20 mg/L Trip Point
54100-50	SP 510 with 50 mg/L Trip Point
54100-99	SP 510 with 100 mg/L Trip Point

*Subject to change without notice.

Hach – World class technology and support

At Hach, state-of-the-art technology is only part of the equation – a given. Combine this with Hach's renowned worldwide support, dedicated technical support staff and skilled, responsive service teams, and you have the formula for success in water analysis and testing.

Pioneering R&D



Since its earliest days, Hach has maintained – in fact, defined – the leading technological edge in testing and analysis of water. From sophisticated, high-end laboratory instruments to special on-line process monitoring systems to virtual laboratories-in-a kit, Hach set the standard for others to follow.

Accuracy, repeatability, reliability

By using its own special reagents – stable, pre-measured, sealed from contamination – Hach has elevated analytical chemistry to a new level of accuracy. Hach's precise sampling, mixing and analytical procedures, designed into every piece of Hach equipment, give you accurate, repeatable results time after time.

Total support – on line, on the phone, at your door



Hach's outstanding technical staff responds quickly and accurately to all calls. From simple questions on the phone to complex inquiries requiring the expertise of our Technical Support Group, to extended on-site visits in the field, Hach support is second to none. Customers can also e-mail their requests to techhelp@hach.com.

The Hach Technical Training Center

The Hach Technical Training Center in Loveland, Colorado has hosted hundreds of chemists, technicians, operators, educators and supervisors, all participating in the most up-to-date, practical analytical training available. Topics cover fields as diverse as water and wastewater, boiler and cooling water, meat and dairy products, microbiology, sludge and soils. For a course schedule call 800-227-4224 x2391.

Factory-trained experts – on call in 95 countries



Hach's dedicated service staff is now available in 95 countries – and counting. Whatever challenge you encounter – choosing the right system, understanding a new procedure, troubleshooting an instrument – Hach's specialists are available to help you.

Installation, warranty and repair assistance can be accessed easily through Hach's toll-free number: 800-227-4224. (Overseas, call the Hach dealer located near you.)



For current price information, technical support and ordering assistance, contact the Hach office or distributor serving your area.

Hach Company is
ISO 9001 Certified

In the United States, contact:

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