

HI 98202 pNa

Water Hardness/Softness Tester



Test the Hardness of Water

The pNa is an easy-to-use and inexpensive instrument for determining water hardness/softness. The hardness of water is due to the presence of magnesium and calcium. These make washing difficult, waste soap and create unpleasant scum and scale deposits. With a zeolite system, the calcium and magnesium ions are substituted on a one-to-one basis with sodium ions from a conditioning resin. Once all the sodium ions are exhausted, the resin has to be regenerated. This is currently determined by estimating the volume of water that goes through the softener and guessing when to change the resin!

Even though this may work in some cases, it fails in most since the sodium content of feed water is never constant. As a result, either the resin is regenerated too early and wastes resources, or too late, risking damage due to scaling. With the pNa, you can measure the sodium content of feed water and exit water in seconds. When the resin is exhausted of sodium, there will be no exchange and the pNa will read the same value at the two ends. Only then should the resin be changed.

pNa takes guess work out of resin regeneration!

SPECIFICATIONS

HI 98202 PNA

Range	0.0 to 3.0 pNa (23 to 0.023 g/L Na ⁺)
Resolution	0.1 pNa
Accuracy (@20°C/68°F)	±0.2 pNa
Calibration	manual, 1 point
Battery Type / Life	(4) 1.5V / approx. 800 hours of continuous use
Environment	0 to 50°C (32 to 122°F); RH max 95%
Dimensions	175 x 41 x 23 mm (6.9 x 1.6 x 0.9")
Weight	95 g (3.4 oz)

ORDERING INFORMATION

HI 98202 (pNa) is supplied with protective cap, calibration screwdriver, batteries and instructions.

ELECTRODES

HI 73202* Spare electrode for HI 98202

SOLUTIONS

HI 7080M 2.3 g/L Na⁺ solution, 250 mL

HI 7080L 2.3 g/L Na⁺ solution, 500 mL

HI 7061M Cleaning solution, 250 mL

* to be replaced by authorized technical personnel only

