

HI 3816 • HI 3827 • HI 3828 • HI 3837

Boiler and Feedwater Test Kits

Four Kits to Choose From!

For boiler and feedwater industries, choose the kit that best fits your application among any of our four combinations.

All the tests are performed with a titration method except for the pH test. pH is obtained with HANNA's pHep®, pH electronic tester which guarantees greater accuracy and a longer life than traditional litmus paper.

Every kit is equipped with all the necessary reagents and equipment to perform over 100 tests (50 each for iron and phosphate). All reagents can be purchased individually as they run out (please see our reagents section). All tests are easy to perform with step-by-step instructions.

Every kit is supplied with a rugged portable carrying case for orderly transportation.



HI 3837: kit for pH, phosphate and sulfite

ORDERING INFORMATION

HI 3816, HI 3827, HI 3828 and HI 3837 test kits include all of the necessary reagents and accessories to perform over 100 tests for every parameter, for the exception of iron and phosphate which include reagents for 50 tests each, hard carrying cases and instructions.

ACCESSORIES

HI 3811-100	Replacement reagents set for 100 tests (Alkalinity)
HI 3812-100	Replacement reagents set for 100 tests (Hardness)
HI 3815-100	Replacement reagents set for 100 tests (Chloride)
HI 3822-100	Replacement reagents set for 100 tests (Sulfite)
HI 3833-050	Replacement reagents set for 50 tests (Phosphate)
HI 3834-050	Replacement reagents set for 50 tests (Iron)
HI 70004P	pH 4.01 buffer solution, for 25 calibrations in pH 4.01
HI 70007P	pH 7.01 buffer solution, for 25 calibrations in pH 7.01
HI 70010P	pH 10.01 buffer solution, for 25 calibrations in pH 10.01



HI 3816: kit for alkalinity, chloride and hardness



HI 3827: kit for alkalinity, chloride, hardness, pH, phosphate and sulfite



HI 3828: kit for alkalinity, chloride, hardness, iron and pH

PARAMETER	METHOD	RANGE	SMALLEST INCREMENT	CHEMICAL METHOD	# TESTS
HI 3816, HI 3827, HI 3828, HI 3837 Boiler Test Kits					
Alkalinity (as CaCO₃)	titration	0-100 mg/L (ppm) 0-300 mg/L (ppm)	1 mg/L (ppm) 3 mg/L (ppm)	phenolphthalein/ bromphenol blue	110 avg.
Chloride (as Cl⁻)	titration	0-100 mg/L (ppm) 0-1000 mg/L (ppm)	1 mg/L (ppm) 10 mg/L (ppm)	mercuric nitrate	110 avg.
Hardness (as CaCO₃)	titration	0.0-30.0 mg/L (ppm) 0-300 mg/L (ppm)	0.3 mg/L (ppm) 3 mg/L (ppm)	EDTA	100 avg.
Iron	colorimetric	0-5 mg/L (ppm)	1 mg/L (ppm)	phenanthroline	50
Phosphate (as PO₄³⁻)	colorimetric	0-5 mg/L (ppm)	1 mg/L (ppm)	ascorbic acid	50
pH	electronic pH tester	0.0-14.0 pH	0.1 pH	—	life of the meter
Sulfite (as Na₂SO₃)	titration	0.0-20.0 mg/L (ppm) 0-200 mg/L (ppm)	0.2 mg/L (ppm) 2 mg/L (ppm)	iodometric	110 avg.

OTHER INFORMATION

Dimensions HI 3816 and HI 3837: 370 x 270 x 80 mm; HI 3827 and HI 3828: 440 x 330 x 100 mm
Weight HI 3816: 1.2 kg (2.6 lbs.); HI 3827: 2.2 kg (4.9 lbs.); HI 3828: 2 kg (4.4 lbs.); HI 3837: 1.5 kg (3.3 lbs.)