

Complete Instrument for Turbidity, Cyanuric Acid, Bromine, Chlorine, Iron, Iodine and pH

The most important parameters needed for water analysis, especially in drinking water are now available in a portable meter.

You can obtain lab performance in the field by using the HI 93102.

It not only measures turbidity, but also pH, total and free chlorine, bromine, iodine, iron and cyanuric acid (CYS).

All this in the palm of your hand and in seconds!

Measurements are made quickly and repeatedly through a sophisticated, yet easy-to-use microprocessor.

In colorimetric mode, users can select between factory preprogrammed calibration or calibrating the meter on their own, and measure either concentration or relative absorbance of the sample.

Up to 25 measured samples can be stored in memory together with time and date.



Specifications

HI 93102		
Range	Turbidity	0.00 to 9.99 FTU*; 10.0 to 50.0 FTU*
	Bromine	0.00 to 8.00 mg/L
	Free and Total Chlorine	0.00 to 2.50 mg/L / 0.00 to 3.50 mg/L
	Cyanuric Acid	0 to 80 mg/L
	Iodine	0.0 to 12.5 mg/L
	Iron LR	0.00 to 1.00 mg/L
	pH	5.9 to 8.5 pH
Resolution	Turbidity	0.01; 0.1 FTU
	Bromine	0.01 mg/L
	Free and Total Chlorine	0.01 mg/L
	Cyanuric Acid	1 mg/L
	Iodine	0.1 mg/L
	Iron LR	0.01 mg/L
	pH	0.1 pH
Accuracy	Turbidity	±0.5 FTU ±5% of reading
	Bromine	±0.08 mg/L ±3% of reading
	Free and Total Chlorine	±0.03 mg/L ±3% of reading
	Cyanuric Acid	±1 mg/L ±15% of reading
	Iodine	±0.1 mg/L ±5% of reading
	Iron LR	±0.02 mg/L ±3% of reading
	pH	±0.1 pH
Calibration	2 points; selectable between 0.00 and 50.0 FTU (0.00 and 20.0 FTU recommended)	
Light Source	green LED	
Light Source Life	life of the instrument	
Light Detector	2 silicon photocells	
Battery Type / Life	4 x 1.5V AA / approx. 60 hours of continuous use or 1000 measurements; auto-off selectable after 10, 20, 30, 40, 50 or 60 minutes	
Environment	0 to 50°C (32 to 122°F); RH max 95% (non condensing)	
Dimensions / Weight	220 x 82 x 66 mm (8.7 x 3.2 x 2.6") / 510 g (1.1 lb.)	

* 1 FTU (Formazine Turbidity Unit) = 1 NTU (Nephelometric Turbidity Unit)

Accessories

HI 731318	Tissue for wiping cuvetts (4 pcs)	HI 93711-01	Reagent kit for 100 tests (total Cl ₂)
HI 731321	Spare glass cuvet (4 pcs)	HI 93716-01	Reagent kit for 100 tests (Bromine)
HI 731327	Maintenance kit: rugged carrying case including HI 93102-0 and HI 93102-20 calibration solutions, HI 93703-50 cuvet cleaning solution, 1 tissue for wiping cuvetts and 2 cuvetts	HI 93718-01	Reagent kit for 100 tests (Iodine)
HI 93701-01	Reagent kit for 100 tests (free Cl ₂)	HI 93722-01	Reagent kit for 100 tests (Cyanuric acid)
HI 93710-01	Reagent kit for 100 tests (pH)	HI 93746-01	Reagent kit for 50 tests (Iron LR)
		HI 93102-0	AMCO-AEPA-1 @ 0 FTU calibration solution (30 mL)
		HI 93102-20	AMCO-AEPA-1 @ 20 FTU calibration solution (30 mL)

For accessories, see sections U and V.

Ordering Information

HI 93102 is supplied complete with glass cuvet, batteries and instructions.