HI93102

Meter for Water Analysis

Turbidity, Cl_2, pH, Br, Fe, I and CYAC

- EPA standard
  - Meets the USEPA standards
- Custom calibration points
  - Advanced electronics allow operators to calibrate the meter
- Logging
  - Log and recall up to 25 different samples.

The most important parameters needed for water analysis, especially in drinking water, can be measured with Hanna's HI93102 portable meter. This instrument not only measures turbidity, but also pH, total and free chlorine, bromine, iodine, iron, and cyanuric acid (CYAC). Achieve laboratory results in the field quickly and easily.

Measurements are made quickly and repeatedly through a sophisticated, yet easy-to-use microprocessor. In colorimetric mode, users can select between factory pre-programmed 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. Miniaturization of the electronics has made it possible to offer unsurpassed accuracy and quality in a portable unit weighing just one pound.

Specifications		HI93102	
Parameter Specifications		**Turbidity**	**Br–Bromine**
	Range	0.00 to 50.0 NTU†	0.00 to 8.00 mg/L (ppm)
	Resolution	0.01 (0.00 to 9.99) and 0.1 NTU (10.0 to 50.0)	0.01 mg/L (ppm)
	Accuracy @25°C	±0.5 NTU or ±5% of reading (whichever is greater)	±0.08 mg/L (ppm) ±3% of reading
		Free and Total Chlorine	**CYAC–Cyanuric Acid**
	Range	Free: 0.00 to 2.50 mg/L (ppm); Total: 0.00 to 3.50 mg/L (ppm)	0 to 80 mg/L (ppm)
	Resolution	0.01 mg/L (ppm)	1 mg/L (ppm)
	Accuracy @25°C	±0.03 mg/L (ppm) ±3% of reading	±1 mg/L (ppm) ±15% of reading
		I–Iodine	**Fe LR–Iron LR**
	Range	0.0 to 12.5 mg/L (ppm)	0.00 to 1.00 mg/L (ppm)
	Resolution	0.1 mg/L (ppm)	0.01 mg/L (ppm)
	Accuracy @25°C	±0.1 mg/L (ppm) ±5% of reading	±0.02 mg/L (ppm) ±3% of reading
		pH	
	Range	5.9 to 8.5 pH	
	Resolution	0.1 pH	
	Accuracy @25°C	±0.1 pH	
Additional Specifications	Turbidity Calibration	two-point; selectable between 0.00 - 50.0 FTU (0.00 and 20.0 FTU recommended)	
	Light Source / Detector	pure green LED / silicon photocell (2)	
	Battery Type / Life	1.5V AA (4) / approximately 60 hours of continuous use or 1000 measurements; automatic shut-off selectable after 10, 20, 30, 40, 50 or 60 minutes of non-use	
	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.)	
Ordering Information		**HI93102** is supplied with measurement cuvette cap, batteries and instruction manual.	

† 1 NTU (Nephelometric Turbidity Unit) = FTU (Formazine Turbidity Unit)
* set of 300 tests available, -03
** set of 150 tests available, -03

See page 12.25 for standards and accessories

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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.