

HI 93102

Complete Tool for Water Analysis: Turbidity, Cl₂, pH, Br, Fe, I and CYS

• USEPA Compliance

In the turbidimetric mode, the HI 93102 uses the nephelometric principle according to USEPA's 180.1 method and the Standard Method 2130B.

• Custom Calibration Points

Advanced electronics allow operators to calibrate the meter at a selectable point in from 0.00 to 50.00 NTU.

• Logging Capability

The HI 93102 makes it possible to log and retrieve up to 25 different samples.

The most important parameters needed for water analysis, especially in drinking water, can be measured with HANNA's HI 93102 portable meter. This instrument not only measures turbidity, but also pH, total and free chlorine, bromine, iodine, iron, and cyanuric acid (CYS). 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 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. Miniaturization of the electronics has made it possible to offer unsurpassed accuracy and quality in a portable unit weighing just one pound!

ORDERING INFORMATION

HI 93102 is supplied with measurement cuvette cap, batteries and instruction manual.

ACCESSORIES

- HI 731318 Cuvette cleaning cloth (4 pcs)
- HI 731321 Spare measurement cuvettes (4 pcs)
- HI 93701-01* Reagent kit for 100 tests (Free Cl₂)
- HI 731327 Rugged carrying case with calibration solutions HI 93102-0 and HI 93102-20, HI 93703-50 cleaning solution, HI 731318 cuvette cleaning cloth and 2 measurement cuvettes
- HI 93710-01* Reagent kit for 100 tests (pH)
- HI 93711-01* Reagent kit for 100 tests (T. Cl₂)
- HI 93716-01* Reagent kit for 100 tests (Br)
- HI 93718-01* Reagent kit for 100 tests (I)
- HI 93722-01* Reagent kit for 100 tests (CYS)
- HI 93746-01** Reagent kit, 100 pkt for 50 tests (Fe LR)
- HI 93102-0 AMCO-EPA-1 cal. sol. @ 0 NTU (30 mL)
- HI 93102-20 AMCO-EPA-1 cal. sol. @ 20 NTU (30 mL)

* set of 300 tests available, -03
** set of 150 tests available, -03



| SPECIFICATIONS | | HI 93102 |
|---------------------|---|---|
| Range | Turbidity | 0.00 to 9.99 NTU _f / 0.00 to 50.0 NTU _f |
| | Br | 0.00 to 8.00 mg/L (ppm) |
| | Free Chlorine | 0.00 to 2.50 mg/L (ppm) |
| | Total Chlorine | 0.00 to 3.50 mg/L (ppm) |
| | CYS | 0 to 80 mg/L (ppm) |
| | I | 0.0 to 12.5 mg/L (ppm) |
| | Fe LR | 0.00 to 1.00 mg/L (ppm) |
| | pH | 6.5 to 8.5 pH |
| | Resolution | Turbidity |
| Br | | 0.01 mg/L (ppm) |
| Chlorine | | 0.01 mg/L (ppm) |
| CYS | | 1 mg/L (ppm) |
| I | | 0.1 mg/L (ppm) |
| Fe LR | | 0.01 mg/L (ppm) |
| pH | | 0.1 pH |
| Accuracy @25°C/77°F | Turbidity | ±0.5 NTU or ±5% of reading (whichever is greater) |
| | Br | ±0.08 mg/L (ppm) ±3% of reading |
| | Chlorine | ±0.03 mg/L (ppm) ±3% of reading |
| | CYS | ±1 mg/L (ppm) ±15% of reading |
| | I | ±0.1 mg/L (ppm) ±5% of reading |
| | Fe LR | ±0.02 mg/L (ppm) ±8% of reading |
| pH | ±0.1 pH | |
| Calibration | two points; selectable between 0.00 - 50.0 FTU (0.00 and 20.0 FTU recommended) | |
| Light Source | pure green LED | |
| Light Detector | silicon photocell | |
| 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 | |
| Environment | 0 to 50°C (32 to 122°F); RH max 95% (non condensing) | |
| Dimensions | 220 x 82 x 66 mm (8.7 x 3.2 x 2.6") | |
| Weight | 510 g (1.1 lb.) | |

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