



Iron and Manganese Meter

Neither iron nor manganese are considered dangerous but high concentrations of these metals in water can create a bittersweet or astringent taste.

The presence of iron in supplied water is undesirable due to the staining effect on laundry and porcelain.

Manganese, in high concentrations, can produce corrosion and scaling in pipes, which is a serious industrial concern.

The HANNA instruments® solution for these applications is the HI 93742, a hand-held photometer which measures low range iron and manganese.

The software driven procedure makes this meter user-friendly with step-by-step instructions.



Specifications

HI 93742 (Iron and Manganese LR)		
Range	Iron	0 to 400 µg/L
	Manganese	0 to 300 µg/L
Resolution		1 µg/L
Accuracy (@20°C/68°F)	Iron	±10 µg/L ±8% of reading
	Manganese	±2 µg/L ±3% of reading
Light Source		LED (Light Emitting Diode) 555 nm
Light Life		Life of the instrument
Light Detector		Silicon Photocell
Battery Type / Life		1 x 9V / approx. 40 hours of continuous use; auto-off after 10 minutes of non-use
Environment		0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions		180 x 83 x 46 mm (7.1 x 3.3 x 1.8")
Weight		290 g (10 oz.)
Method	Iron	Adaptation of the TPTZ method
	Manganese	Adaptation of the PAN method

Accessories

HI 710009	Shockproof rubber boot, blue	HI 731325	Cuvet cap (4 pcs)
HI 710010	Shockproof rubber boot, orange	HI 93746-01	Reagent kit for 50 tests (Fe LR)
HI 731318	Tissue for wiping cuvetts (4 pcs)	HI 93746-03	Reagent kit for 150 tests (Fe LR)
HI 93703-50	Cuvet cleaning solution (230 mL)	HI 93748-01	Reagent kit for 50 tests (Mn LR)
HI 93748-03		HI 93748-03	Reagent kit for 150 tests (Mn LR)
HI 731321	Measuring cuvet (4 pcs)		

For a comprehensive list of accessories, see sections U and V

Ordering Information

HI 93742 is supplied with 2 cuvetts, battery and instructions.