



## Iron Meters

The iron concentration in water needs to be monitored because it becomes harmful above certain levels.

In domestic water, for instance, iron can unpleasantly alter the taste, stain laundry, damage kitchenware and favor the growth of certain bacteria. Iron is also an indicator of ongoing corrosion in industrial plants or in water cooling and heating systems. Moreover, iron is normally monitored in mining wastewater to avoid contamination.

Standard chemical test kits characteristically suffer from lack of precision. **HANNA** instruments® offers two iron meters with a clear LCD reading: from 0.00 to 5.00 mg/L with a resolution of 0.01 mg/L (HI 93721) and from 0 to 400 µg/L with a resolution of 1 µg/L (HI 93746).

### Specifications

	HI 93721 (Iron HR)	HI 93746 (Iron LR)
Range	0.00 to 5.00 mg/L	0 to 400 µg/L
Resolution	0.01 mg/L	1 µg/L
Accuracy (@20°C/68°F)	±0.04 mg/L ±2% of reading	±10 µg/L ±8% of reading
Light Source	LED (Light Emitting Diode) 470 nm	LED (Light Emitting Diode) 555 nm
Light Life	Life of the instrument	
Life 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	Adaptation of the phenantroline EPA recommended method 315B for natural and treated waters.	Adaptation of the TPTZ method; The reaction between iron and the reagent causes a blue tint in the sample
	The reaction between iron and the reagents causes an orange tint in the sample	

### Accessories

HI 710009	Shockproof rubber boot, blue	HI 93721-01	Reagent kit for 100 tests (Fe HR)
HI 710010	Shockproof rubber boot, orange	HI 93721-03	Reagent kit for 300 tests (Fe HR)
HI 731318	Tissue for wiping cuvetts (4 pcs)	HI 93746-01	Reagent kit for 50 tests (Fe LR)
HI 731321	Measuring cuvet (4 pcs)	HI 93746-03	Reagent kit for 150 tests (Fe LR)
HI 93703-50	Cuvet cleaning solution (230 mL)		
HI 731325	Cuvet cap (4 pcs)		

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



HI 93721C is the ideal solution for iron measurement in the field

### Ordering Information

HI 93721 is supplied complete with 2 cuvetts, battery and instructions.

HI 93721C, kit includes HI 93721, hard carrying case and reagents.

HI 93746 is supplied complete with 2 cuvetts, battery and instructions.