



HI 96742

Iron, Low Range and Manganese Low Range Portable Photometer



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- CAL CHECK™
- User calibration
- Certified calibration and verification standards
- BEPS (Battery Error Prevention System)
- TIMER function
- Auto shut-off
- GLP Features

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 solution for these applications is the HANNA HI 96742, a hand-held photometer to measure low range iron and manganese.

Order Information:

HI 96742 are supplied with sample cuvettes with caps (2), 9V battery and instruction manual.

Specifications	Accessories	Downloads
Range	Iron LR	0 to 1.60 mg/L (ppm)
	Manganese LR	0 to 300 µg/L
Resolution	Iron LR	0.01 mg/L
	Manganese LR	1 µg/L
Accuracy @25°C	Iron LR	±0.01 mg/L ±8% of reading
	Manganese LR	±2 µg/L ±3% of reading
Light Source	tungsten lamp	
Light Detector	silicon photocell with narrow band interference filter @ 525 nm	
Power Supply	9V battery	
Auto-off	after ten minutes of non-use in measurement mode; after one hour of non-use in calibration mode; with last reading reminder.	
Dimensions	192 x 104 x 69 mm (7.6 x 4.1 x 2.7")	
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
Weight	360 g (12.7 oz.)	

Method

Iron LR

adaptation of TPTZ method

Manganese LR

adaptation of the 1-(2-pyridylazo)-2-naphthol PAN
method