

HI96740 • HI96726

Nickel Portable Photometers

- **CAL Check™**
 - Enables users to check validity of calibration
- **BEPS**
 - Alerts the user of low battery power that could adversely affect reading
- **GLP Features**
 - Meets Good Laboratory Practices

Nickel is commonly utilized by the electroplating industry in processes utilizing stainless steel, cobalt or nickel alloys.

Nickel is also used in batteries, fuel cells and hydrogenation of vegetable oils in the food industry.

The HI96726 and HI96740 meters measure the nickel content in water and wastewater. Both meters use an exclusive positive-locking system to ensure that the cuvette is in the same place every time it is placed into the measurement cell.

The cuvette has a very important role because it is an optical element and thus requires particular attention. It is important that both the measurement and the calibration (zeroing) cuvettes are optically identical to provide the same measurement conditions.

For HI96740, the reaction between nickel and the reagent causes an orange tint. For HI96726, the reaction between nickel and the reagent causes a blue tint in the sample.



Specifications	HI96740 Nickel LR	HI96726 Nickel HR
Range	0.000 to 1.000 mg/L (ppm)	0.00 to 7.00 g/L
Resolution	0.001 mg/L	0.01 g/L
Accuracy @ 25°C (77°F)	±0.010 mg/L ±7% of reading	±0.07 mg/L ±4% of reading
Light Source	tungsten lamp	
Light Detector	silicon photocell with narrow band interference filter @ 575 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	
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
Dimensions	193 x 102 x 67 mm (7.6 x 4.4 x 2.6")	
Weight	360 g (12.7 oz.)	
Method	adaptation of the 1-(2-pyridylazo)-2-naphthol PAN method	adaptation of the photometric method
Ordering Information	<p>HI96726 and HI96740 is supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instruction manual. CAL Check™ standards and testing reagents sold separately</p> <p>HI96726C and HI96740C include photometer, CAL Check™ standards, sample cuvettes (2) with caps, 9V battery, scissors, cuvette wiping cloth, instrument quality certificate, instruction manual and rigid carrying case. Reagents sold separately</p>	
Reagents and Standards	HI96740	<p>HI96740-11 CAL Check™ standard cuvettes</p> <p>HI93740-01 reagents for 50 tests</p> <p>HI93740-03 reagents for 150 tests</p>
	HI96726	<p>HI96726-11 CAL Check™ standard cuvettes</p> <p>HI93726-01 reagents for 100 tests</p> <p>HI93726-03 reagents for 300 tests</p>

Standard reagents begin on page 10.70; CAL Check™ standard reagents begin on page 10.71