

HI96740 · HI96726

Nickel Portable Photometers

- **CAL Check**
 - Allows for performance verification and calibration of the meter using NIST traceable standards.
- **GLP**
 - Review of the last calibration date.
- **Auto-shut off**
 - Automatic shut off after 10 minutes of non-use when the meter is in measurement mode. Prevents wastage of batteries in the event the meter is accidentally left on.
- **Battery status indicator**
 - Indicates the amount of battery life left.
- **Built-in timer**
 - Display of time remaining before a measurement is taken. Ensures that all readings are taken at the appropriate reaction intervals for the test being performed.
- **Error messages**
 - Messages on display alerting to problems including no cap, high zero, and standard too low.
- **Cooling lamp indicator**
 - To maintain the desirable wavelength to be used for absorbance, it is necessary to ensure components are not overheated from the heat generated by the tungsten lamp. Each photometer is designed to allow a minimal amount of time for components to cool. The cooling lamp indicator is displayed prior to a reading being taken.
- **Units of measure**
 - Appropriate unit of measure is displayed along with reading.

The HI96740 portable photometer is for low range measurement of nickel while the HI96726 is for high range. Hanna's portable photometers feature an advanced optical system; the combination of a special tungsten lamp, a narrow band interference filter, and silicon photodetector ensure accurate photometric readings every time. The Hanna exclusive CAL Check™ feature utilizes ready-made, NIST traceable standards to verify both meter validation and calibration. The exclusive cuvette locking system ensures that the cuvette is inserted into the measurement cell in the same position every time to maintain a consistent path length.



Significance of Use

Nickel is commonly utilized by the electroplating industry in processes utilizing stainless steel, cobalt, or nickel alloys. By using nickel in certain alloys, manufacturers can achieve a product that is highly resistant to chemical stress and exhibits a longer lifespan. Nickel is also an essential trace element that is essential for biological processes in livestock health and production. Nickel is also used in batteries, fuel cells, and hydrogenation of vegetable oils in the food industry.

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	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	
	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	
Reagents and Standards	HI96740	HI96740-11 CAL Check™ standard cuvettes
		HI93740-01 reagents for 50 tests
		HI93740-03 reagents for 150 tests
	HI96726	HI96726-11 CAL Check™ standard cuvettes
		HI93726-01 reagents for 100 tests
		HI93726-03 reagents for 300 tests