

HI726

Nickel High Range

Handheld Colorimeter

- Easier to use and more accurate than chemical test kits
- Dedicated to a single parameter
- Small size, big convenience
- Ideal for:
 - Steel manufacturing
 - Electroplating and electronics production

Nickel is extensively used in electroplating, the manufacturing of steel, electronic devices, ceramics and colored glasses. It plays a vital role in many processes of applied sciences and fundamental sciences.

Nickel is seldom found in natural waters, but is often present in industrial wastewater as a direct by-product of metal plating baths, and as a corrosion by-product of stainless steel, nickel or cobalt alloys.

The most serious effects of nickel exposure include lung cancer and other respiratory effects in people who have breathed nickel dust while working in nickel refineries or in nickel processing plants. Other lung effects including chronic bronchitis and reduced lung function have been observed in workers breathing nickel. The levels of nickel in the workplace were much higher than background levels. The International Agency for Research on Cancer (IARC) has determined that some nickel compounds are carcinogenic to humans and that metallic nickel may be carcinogenic to humans. The EPA has determined that nickel refinery dust and nickel subsulfide are human carcinogens.

The HI726 Checker®HC is extremely simple to use. First, zero the instrument with your water sample. Next, add the reagent, shake gently until complete dissolution. Finally, place the vial into the Checker HC, press the button for 3 seconds. The display will show the countdown prior to the measurement. When the timer ends the meter will perform the reading and display concentration in g/L of nickel. It's that easy.



Specifications	HI726 (HR)
Range	0.00 to 7.00 g/L
Resolution	0.01 g/L
Accuracy @25°C (77°F)	±0.10 g/L ±5% of reading
Light Source	LED @ 575 nm
Light Detector	silicon photocell
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Battery Type	1.5V AAA (1)
Auto-off	after ten minutes of non-use and two minutes after reading
Dimensions	86.0 x 61.0 x 37.5 mm (3.4 x 2.4 x 1.5")
Weight	64 g (2.3 oz)
Method	adaptation of the photometric method. The reaction between nickel and the reagent causes a blue tint in the sample.
Ordering Information	HI726 Checker®HC is supplied with sample cuvettes with caps (2), nickel HR reagent starter kit (reagents for 6 tests), battery, and instructions.
Reagent Set	HI726-25 (25 tests)
Calibration Set	HI726-11