



HI 96786

Nitrate 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

Nitrates are present in nature as a result of decomposition of organic microorganisms or due to their use as fertilizers. Nitrates reduce to nitrites, which in turn easily combine to form substances dangerous to man.

A maximum level of 45 mg/L (ppm) is established as a worldwide guideline for nitrate concentration in water. In Europe, the maximum consented level of nitrates in potable water is 50.0 mg/L (ppm), while in the USA the EPA has established a guideline for the maximum level of nitrate—nitrogen of 10 mg/L ($\text{NO}_3\text{-N}$), which corresponds to 45.0 mg/L of nitrates.

The HI 96786 meter measures the nitrate content in water and wastewater.

This meter uses an exclusive positive-locking system to ensure that the cuvette is in the same place every time it is placed into the measurement cell.

Order Information:

HI 96786 are supplied with sample cuvettes with caps (2), 9V battery and instruction manual.

HI 9786C include photometer, sample cuvettes with caps (2 ea.), 9V battery, scissors, cloth for wiping cuvettes, instrument quality certificate, instruction manual and rigid carrying case.

Specifications	Accessories	Downloads
Range	0.0 to 100 mg/L	
Resolution	1 mg/L	
Accuracy @ 25°C	±5 mg/L ±5% 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	
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	

Dimensions 192 x 104 x 69 mm (7.6 x 4.1 x 2.7")

Weight 360 g (12.7 oz.)

Method adaptation of cadmium reaction method