

HI83225

Nutrient Analysis Photometer for Greenhouses and Hydroponics

- **Methods**
 - 15 measurement methods
- **Help feature**
 - Full tutorial available in start up menu
- **Connectivity**
 - PC compatible via USB

Nitrogen, phosphorus, and potassium (NPK) are often the first three factors considered when making recommendations to growers. Compared to the HI83215, the HI83225 provides control over three additional important growing factors: sulfur (most common as sulfates), calcium and magnesium.

HI83225 is designed for the hydroponics and greenhouse industries to measure seven nutrients commonly present in fertilizer enriched solutions. It can measure fifteen different methods using specific liquid or powder reagents.

The optical system of HI83225 is based on tungsten lamps and narrow-band interference filters to guarantee both high performance and reliable results.

The HI83225 has a powerful interactive user support that assists the user during the analysis process. A full tutorial is available in the Setup Menu, and the Help Menu provides assistance for every step in the measurement process. This meter can be connected to a PC via a USB cable, where the data can be managed with optional HI92000 Windows® compatible software.



Reagents are available in liquid or powder form, and the amount of each reagent is precisely dosed to ensure maximum repeatability.
 † Unless noted otherwise, all reagent codes ending with -01 are for 100 tests.
 * Replace the -01 with -03 for 300 tests.
 • For chlorine, liquid reagents are available.
 ** Reagents for 50 tests. Replace the -01 with -03 for 150 tests.



Test	Range	Method	Reagents†
Ammonia HR	0 to 100 mg/L (ppm)	Nessler	HI93715-01
Ammonia MR	0.0 to 50.0 mg/L (ppm)	Nessler	HI93715-01
Ammonia LR	0.0 to 10.0 mg/L (ppm)	Nessler	HI93715-01
Calcium	0 to 400 mg/L (ppm)	oxalate	HI937521-01**
Magnesium	0 to 150 mg/L (ppm)	calmagite	HI937520-01**
Nitrate HR	0 to 300 mg/L (ppm)	cadmium reduction	HI93728-01
Nitrate MR	0 to 150 mg/L (ppm)	cadmium reduction	HI93728-01
Nitrate LR	0.0 to 30.0 mg/L (ppm)	cadmium reduction	HI93728-01
Phosphorus HR	0 to 100 mg/L (ppm)	amino acid	HI93706-01
Phosphorus MR	0.0 to 50.0 mg/L (ppm)	amino acid	HI93706-01
Phosphorus LR	0.0 to 10.0 mg/L (ppm)	amino acid	HI93706-01
Potassium HR	20 to 200 mg/L (ppm)	turbidimetric tetraphenylborate	HI93750-01
Potassium MR	10 to 100 mg/L (ppm)	turbidimetric tetraphenylborate	HI93750-01
Potassium LR	0.0 to 20.0 mg/L (ppm)	turbidimetric tetraphenylborate	HI93750-01
Sulfate	0 to 100 mg/L (ppm)	turbidimetric	HI93751-01

Ordering Information

HI83225-01 (115V) and **HI83225-02** (230V) are supplied with sample cuvettes and caps (4 ea.), sample preparation kit, cloth for wiping cuvettes (1), scissors, AC/DC power adapter and instruction manual

Standard reagents begin on page 10.70; general accessories begin on page 10.8