HI96752

Calcium and Magnesium Portable Photometer

- CAL Check
  - Allows for performance verification and calibration of the meter using NIST traceable standards
- Auto-shut off
- Built-in timer
  - Display of time remaining before a measurement is taken

The HI96752 portable photometer is for the measurement of calcium and magnesium. Hanna's portable photometers feature an advanced optical system; the combination of a LED light source, 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

Calcium and magnesium both play important roles in the growth of plants. Calcium helps plant roots develop and increases the resistance and strength of plant tissues and stems. Magnesium is an indispensable mineral that helps in the production of chlorophyll, the light-absorbing green pigment that serves as an energy source for plants. It also increases vitamin concentrations and aids in uptake of phosphorus within the plant body.

Specifications		HI96752 Calcium and Magnesium	
Parameter Specifications		**Calcium (P1)**	**Magnesium (P2)**
	Range	0 to 400 mg/L (ppm)	0 to 150 mg/L (ppm)
	Resolution	1 mg/L	1 mg/L
	Accuracy @ 25°C (77°F)	±10 mg/L ±5% of reading	±3 mg/L ±3% of reading
Additional Specifications	Light Source	light emitting diode	
	Light Detector	silicon photocell with narrow band interference filter @ 466 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 104 x 69 mm (7.6 x 4.1 x 2.7")	
	Weight	360 g (12.7 oz.)	
	Method	**Calcium:** adaptation of oxalate method; **Magnesium:** adaptation of the calmagite method	
Ordering Information		**HI96752** is supplied with sample cuvettes with caps (2), 9V battery, instrument quality certificate and instruction manual. CAL Check™ standards and testing reagents sold separately	
Reagents and Standards	**HI93752-01**	reagents for 100 Tests (50 each)	
	HI93752-03	reagents for 300 Tests (150 each)	
	HI937520-01	reagents for 100 tests (magnesium)	
	HI937520-03	reagents for 300 tests (magnesium)	
	HI937521-01	reagents for 50 tests (calcium)	
	HI937521-03	reagents for 150 tests (calcium)	
	HI96752-11	CAL Check™ standard cuvettes (calcium)	
	HI96754-11	CAL Check™ standard cuvettes (magnesium)	

See page 10.88 for standard reagents; see page 10.89 for CAL Check kits; see page 10.40 for general accessories