HI 99121

Direct Soil pH Measurement Kit

- · Dedicated to soil pH measurement
- · Specialized soil pH electrode
- Multi-level LCD display
- User friendly operation using only 2 buttons
- On-screen tutorial messages
- Automatic Temperature Compensation
- · Automatic one or two point calibration

(Battery Error Prevention System) alerts the user in the event that low battery power could adversely affect readings

- · Battery % displayed on startup
- Compact, heavy-duty, and waterproof

With the HI 99121 and HI 1292D direct soil pre-amplified pH and temperature probe. users can test both the pH of soil directly or after preparation of a diluted sample.

The HI 1292D features a conical, rugged tip that can be directly inserted in moist or soft soil. For harder soils, the kit includes a plastic auger to perforate the ground.

ORDERING INFORMATION

HI 99121 is supplied with HI 1292D pH electrode, HI 721319 soil auger, HI 7051M soil preparation solution, HI 70004 pH 4.01 buffer solution sachet, HI 70007 pH 7.01 buffer solution sachet, HI 700663 cleaning solution sachet for inorganic soil deposits, HI 700664 cleaning solution sachet for organic soil deposits, 100 mL plastic beaker, batteries, instructions and a hard carrying case.

ELECTRODES

HI 1292D Glass body, pre-amplified pH electrode for soil measurement with

internal temperature sensor, DIN connector and 1 m (3.3') cable

SOLUTIONS

HI 5004L pH 4.01 buffer solution, 500 mL HI 5007L pH 7.01 buffer solution, 500 mL HI 7051M Soil preparation solution, 230 mL HI 700661P Electrode cleaning solution for agriculture, 20 mL sachets (25) HI 700663P Electrode cleaning solution for inorganic

soil deposits, 20 mL sachets (25) HI 700664P Electrode cleaning solution for organic

soil deposits, 20 mL sachets (25) HI 70300L Electrode storage solution, 500 mL

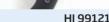
ACCESSORIES

HI 721319 Ground auger

Orange protective rubber boot HI 710023 HI 710024 Blue protective rubber boot



For higher degrees of accuracy, or for stony ground where the electrode may be damaged, use the included HI 7051M soil preparation solution



SPECIFICATIONS		HI 99121
Range	pН	-2.00 to 16.00 pH
	Temperature	-5.0 to 105.0°C/23.0 to 221.0°F
Resolution	pН	0.01 pH
	Temperature	0.1°C/0.1°F
Accuracy (@20°C)	pН	±0.02 pH
	Temperature	± 0.5 °C (up to 60 °C), ± 1.0 °C (outside) / ± 1.0 °F (up to 140 °F); ± 2.0 °F (outside)

To calibrate press MODE for 3 seconds For setup press

HI 99121

MODE for 6 seconds

automatic one or two point calibration with two sets of memorized buffers pH Calibration (Standard 4.01, 7.01, 10.01 or NIST 4.01, 6.86, 9.18)

automatic, -5.0 to 105.0°C (23 to 221°F) **Temperature Compensation**

HI 1292D glass body, pre-amplified pH electrode for soil measurement with Electrode internal temperature sensor, DIN connector and 1 m (3.3') cable (included)

1.5V AAA (3) / approximately 1200 hours of continuous use. Battery Type / Life auto-off after 8 minutes of non-use

0 to 50°C (32 to 122°F); RH max. 100% Environment Dimensions 152 x 58 x 30 mm (6.0 x 2.3 x 1.2")

Weight 205 g (7.2 oz.)

For a complete list of Solutions and Electrodes, see the end of this section.



