

## pH and Temperature Monitor with Large Backlit LCD



This indicator from Hanna has a large, dual-level back-lit LCD to give you instantaneous readings of both pH and temperature, even from a distance. The microprocessor provides automatic calibration, automatic buffer selection and automatic temperature compensation.

The waterproof pH indicator HI 991401 has been designed to meet the grower's need for equipment suited to the aggressive environments found in agricultural and hydroponics applications. Measurements are highly accurate and can be verified with one or two point calibration. Low batteries and battery changes are no longer a problem thanks to a 12 Vdc power supply included with the meter.

The electrode is interchangeable and has been specially designed to address the needs of growers. Its design guarantees greater clogging resistance in fertilizer solutions with high concentrations of phosphate, nitrate, etc. This is a major improvement ensuring longer life for your electrode!



### Specifications

		HI 991401
Range	pH	0.0 to 14.0 pH
	temperature	0.0 to 60.0°C (32.0 to 140.0°F)
Resolution	pH	0.1 pH
	temperature	0.1°C (0.1°F)
Accuracy (@20°C/68°F)	pH	±0.1 pH
	temperature	±0.5°C (±1°F)
Probes	HI 1293D pH electrode (included) and HI 1294 temperature probe (fixed)	
pH calibration	automatic, 1 or 2 points with 2 sets of memorized buffers (pH 4.01/7.01/10.01 or pH 4.01/6.86/9.18)	
Temperature compensation	automatic	
Input impedance	10 <sup>12</sup> Ohm	
Power supply	12 Vdc adapter (included)	
Environment	0 to 50°C (32 to 122°F); RH max 95%	
Dimensions	160 x 105 x 31 mm (6.3 x 4.1 x 1.2)	
Weight	190 g (6.7 oz.) - meter only	

### Ordering Information

HI 991401 is supplied complete with HI 1293D pH electrode, fixed temperature probe, pH 4 and pH 7 calibration solutions (20 mL each), 12 Vdc adapter and instructions.

### Accessories

HI 1293D	pH electrode with DIN connector and external thread	HI 77400P	pH 4 and pH 7 sachets (20 mL, 5 cs. each)
HI 1294	Temperature probe; to be replaced by authorized technical personnel only	HI 70300M	Electrode storage solution, 230 mL bottle
HI 7004M	pH 4.01 calibration solution, 230 mL bottle	HI 7061M	Electrode cleaning solution, 230 mL bottle
HI 7007M	pH 7.01 calibration solution, 230 mL bottle	HI 710005	115 Vac/12 Vdc power adapter, US plug
HI 7010M	pH 10.01 calibration solution, 230 mL bottle	HI 710006	230 Vac/12 Vdc power adapter, European plug

For a complete range of calibration, cleaning and maintenance solutions, see section F. For pH electrodes, see section E.