



Code 5-0034

Soil pH is a measure of the relative acidity or basicity of a given soil. The pH scale (0-14) is a logarithmic expression of hydrogen ion activity. A pH of 7.0 is neutral, and soils above or below this value are either alkaline or acidic, respectively. A soil with a pH of 6.0 is ten times more acidic than a soil of pH 7.0. Changes in soil pH dramatically affect the availability of nutrients to growing crops. The pH meter is the preferred method for determination of soil pH and the only one adaptable to the buffer methods for determining the lime requirement of a soil. pH is measured by mixing a 1:1 ratio of soil and distilled water. Distilled water not included with meters.

pH Meters & Accessories

LaMotte pH 5 Series Meter

pH 5 (without case)
includes pH 4, 7, and 10 buffer tablets
Code 5-0034 • NH (3)

pH 5 (with case)
includes pH 4, 7, and 10 buffer liquids
Code 5-0035 • NH (5)

Meter includes electrode and temperature probe, and is available with or without a carrying case.

FEATURES:

- Push button operation
- Three point calibration
- Range: 0.00-14.00 pH/0.01 pH
- Power: Four AAA batteries included
- Temperature readout 0-100°C/0.1°C
- Automatic Temperature Compensation
- Auto-off after 17 minutes
- Hold function
- Instructions included for measuring pH in soil

Code 1741

pH Tracer

Code 1741 • NH (1)

- Provided with 4, 7, and 10 pH buffer tablets
- Range: 0.00 to 14.00 pH/0.01 pH
- Temp: 23° to 194°F (-5° to 90° C)
- Resolution: 0.01 pH
- Rugged flat surface electrode will alert user when it's time to "RENEW"
- A "CAL" indicator shows when to recalibrate and user can select a 1, 2, or 3 point calibration

- Includes Automatic Temperature Compensation and displays temperature while showing pH result
- Optional interchangeable probes for Total Chlorine (code 1732) and ORP (code 1734) measurement in water. Replacement pH Probe (code 1733)
- Auto-off after 10 minutes
- Power: Four 3VCR-2032 batteries



Code 1766

pH/TDS/SALT Tracer

Code 1766 • NH (1)

- Measures five parameters including Conductivity, TDS, Salinity, pH, and Temperature using one electrode
- Units of measure: pH, μ S, mS, ppm, ppt, mg/L, °C, °F
- Memory stores up to 25 labeled readings
- Adjustable Conductivity to TDS ratio
- Auto power off and low battery indicator

OPTIONS:

- Replacement Electrode for 1766 only • Code 1755
- Weighted Stand w/Sample Cups (5) • Code 1746
- Sample Cups w/caps (24) • Code 1745
- Conductivity Standards, see page 4

	Range	Resolution	Accuracy
Conductivity	0 to 199.9 μ S, 200 to 1999 μ S, 2.00 to 19.99 mS	0.1 μ S	\pm 1%
TDS/Salinity	0 to 99.9 ppm (mg/L), 100 to 999 ppm (mg/L), 1.00 to 9.99 ppt	0.1 ppm (mg/L)	\pm 2%
pH	0.00 to 14.00 pH	0.01 pH	\pm 0.01 pH
Temperature	32° to 149°F (0 to 65°C)	0.1°F/°C	\pm 1.8°F/°C

Standardized pH Buffer Solutions

For use in calibration of pH meters. Available in 120mL and 500mL sizes.

pH Value	Code
4.01	2866
7.00	2881
10.00	2896

Note: Other pH values available



Buffer Tablets

Add one tablet to 20 mL of Deionized Water to produce buffers. Available in 50, 100, and 1000 tablet packs. In foil strips of 10 tablets each.

pH Value	Code
4.0	3983A
7.00	3984A
10.0	3985A

