

# METERS & ACCESSORIES

## pH

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.

### LaMotte pH 5 Series Meter

pH 5 (without case) · Code 5-0034-01 · NH [3]

pH 5 (with case) · Code 5-0035-01 · NH [5]

Meter includes electrode and temperature probe, pH 4, 7 and 10 buffer tablets, and is available with or without a carrying case.

#### Features:

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

See back page for  
Shipping Codes &  
Weights chart.



### pH Buffer Solutions

These Standardized pH Buffer Solutions are for use in calibration of pH meters. Available in 120 mL and 500 mL sizes.

| pH Value* | Code |
|-----------|------|
| 4.01      | 2866 |
| 7.00      | 2881 |
| 10.00     | 2896 |

Other pH values available.



### Buffer Tablets

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

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