

# GroLine®

HI981030

## Soil pH Tester

with specialized probe

The HI981030 GroLine® soil pH tester is an application specific designed pH tester for the measurement of soil pH. This tester offers many advanced features including the ability to clear any clogging of the reference junction, which results in a longer life than standard pH testers.

- **pH electrode with replaceable bridge electrolyte**
  - The pH electrode has an outer junction sleeve that can be removed and cleaned. Once cleaned a small amount of supplied gel electrolyte is added and the junction is refreshed improving the pH measurement and extending the life of the meter.
- **Conical tip**
  - Allows for easy penetration into wetted soil. If stones are present or the soil is hardened then it is best to use an auger to make a hole for the pH electrode to be inserted into. If the soil is dry the use of purified water can be used to wet the soil.
- **PVDF body**
  - Polyvinylidene Fluoride (PVDF) is a food grade plastic that is resistant to most chemicals and solvents, including sodium hypochlorite that is used for disinfection. It has high abrasion resistance, mechanical strength, and resistance to ultraviolet light. PVDF is also resistant to fungal growth.
- **Large LCD**
  - An enhanced LCD displays the measurement reading, stability indicator, low battery indicator, and calibration tags.
- **Automatic calibration**
  - The GroLine soil pH tester is calibrated automatically to one or two points. The calibration buffers are automatically recognized and after calibration the buffer values used are shown on the display.
- **Automatic temperature compensation**
- **Stability indicator**
  - An hourglass indicator is displayed on the LCD until a stable reading is obtained. Once a reading stabilizes, the indicator disappears and a reading can be taken.
- **Automatic shut-off**
  - The meter can be set to automatically turn off after 8 minutes or 60 minutes to conserve battery life in the event that the meter is left on. The auto-off feature can also be disabled.
- **Probe diagnostic**
  - During calibration the meter will display an error (Err) message as an indicator that the probe needs to be cleaned.
- **Long battery life**
  - The GroLine soil pH tester has an exceptional battery life of approximately 800 hours. When the battery power is running low, the low battery indicator blinks.
- **Economical**
  - The GroLine soil pH tester is an advanced meter at a price that is affordable for both the home gardener and professional grower.



Removable sleeve to extend probe life



Supplied complete

Supplied complete with meter, probe, calibration solutions, and cleaning solutions.

### Specifications

### HI981030

pH	Range	0.00 to 12.00 pH
	Resolution	0.01 pH
	Accuracy (@25°C/77°F)	±0.05 pH
	Calibration	automatic, one or two-point
Additional Specifications	Temperature Compensation	automatic, 0 to 50°C (32 to 122°F)
	Glass Type	LT (low temperature)
	Battery Type / Life	CR2032 Li-ion / approx. 800 hours of continuous use
	Auto-off	8 minutes, 60 minutes, or disabled
	Environment	0 to 50°C (32 to 122°F); RH 95% max
	Dimensions	51 x 151 x 21 mm (2 x 5.9 x 0.9")
	Weight	44 g (1.6 oz.)
<b>Ordering Information</b>	<b>HI981030</b> is supplied with pH 4.01 buffer solution sachets (2), pH 7.01 buffer solution sachets (2), electrode cleaning solution sachets for deposits of soil (1) and humus (1), gelled bridge electrolyte, electrode storage solution, CR2032 3V Li-ion battery, quality certificate, and instruction manual.	