



GroLine

Analytical Testing for Growers

Test crucial parameters
in hydroponics and
greenhouse applications

hannainst.com/groline



HANNA[®]
instruments

GroLine Quick Comparison



Code	HI981420	HI9814	HI98131 Combo
pH Range	0.00 to 14.00 pH; 0.0 to 14.0 pH	0.00 to 14.00 pH	0.00 to 14.00 pH
EC Range	0.00 to 10.00 mS/cm	0.00 to 6.00 mS/cm	0.00 to 6.00 mS/cm
TDS Range	0 to 5000 ppm (500 CF); 0 to 7000 ppm (700 CF)	0 to 3000 ppm (500 CF); 0 to 3999 ppm (700 CF)	0 to 3000 ppm (500 CF); 0 to 3999 ppm (700 CF)
Temperature	0.0 to 60.0°C/ 32.0 to 140.0°F	0.0 to 60.0°C/ 32.0 to 140.0°F	0.0 to 60.0°C / 32.0 to 140.0°F
Automatic Calibration	•	•	•
Quick Cal Compatible*	•	•	•
Automatic Temperature Compensation (ATC)	•	•	•
Waterproof	IP65	•	•
Backlit LCD w/Auto-dimming	•	–	–
Extendable pH Cloth Junction	•	•	•
High/Low Alarms	•	–	–
Data Logging/Data Export	•	–	–
HOLD Function	–	•	•
Auto Shut-Off	–	•	•
Replaceable Electrode	• (DIN)	• (Quick DIN)	• (cartridge)
Stability Indicator	–	•	•



HI98118	HI98115	HI98331 Soil Test™	HI98318
0.00 to 14.00 pH	0.00 to 14.00 pH	–	–
–	–	0 to 4000 µS/cm 0.00 to 4.00 mS/cm (dS/m)	0.00 to 6.00 mS/cm
–	–	–	0 to 3000 ppm (500 CF); 0 to 4000 ppm (700 CF)
0.0 to 50.0°C/ 32.0 to 122.0°F	–	0.0 to 50.0°C/ 32.0 to 122.0°F	0.0 to 50.0°C/ 32.0 to 122.0°F
•	•	•	•
• (pH only)	–	–	• (EC only)
•	–	•	•
•	–	–	•
–	–	–	–
•	–	–	–
–	–	–	–
–	–	•	–
•	•	•	•
–	•	–	–
•	•	•	•



HI981420

Quick Cal

Hydroponics Monitor

The GroLine HI981420 Hydroponics Monitor provides 24 hour continuous monitoring of pH, conductivity (EC or TDS), and temperature in hydroponic nutrients with a single amplified probe.

3 sensors in a single rugged probe body

Quick Cal

- allows single-point pH and conductivity/TDS calibration using one solution.

IP65 rated enclosure designed to withstand harsh growing environments

EC to TDS conversion factor with a choice of 0.5 (500 CF) or 0.7 (700 CF)

High and low alarms with LED indicator

30 day data logging

- logs every 15 minutes (min, max, avg)

Large LCD with plant-friendly green backlighting

Ambient light sensor for automatic LCD dimming

Data transfer via USB-C



Shown with optional HI710025 shockproof rubber boot



Quick Connect Digital Probe

- The HI1285-7 probe features a Quick Connect DIN connector that makes a waterproof connection with the meter.

HI9814

Quick Cal

pH/EC/TDS/Temperature Meter

The GroLine HI9814 is a waterproof portable meter that measures pH, conductivity (EC), total dissolved solids (TDS) and temperature with a single amplified probe.

3 sensors in a single rugged probe body

Quick Cal

- allows single-point pH and conductivity calibration using one solution.

IP67 rated enclosure designed to withstand harsh growing environments

EC to TDS conversion factor with a choice of 0.5 (500 CF) or 0.7 (700 CF)

Hold button to freeze readings on display

Low battery indicator

Auto-off



Optional HI1294D pH/temperature electrode is available for direct pH measurement of soils and soilless media.



HI98131

Quick Cal

pH/EC/TDS Combo Tester

The GroLine HI98131 is a waterproof tester that measures pH, conductivity (EC), total dissolved solids (TDS) and temperature.

Waterproof

Quick Cal

- allows single-point pH and conductivity calibration using one solution.

Replaceable pH electrode cartridge with extendable cloth junction to clear clogs

HI98118

Quick Cal
Compatible

pH/Temperature Tester

The GroLine HI98118 pH/temperature tester is ideal for measuring the pH of a hydroponic nutrient solution.

Waterproof

Quick Cal for pH calibration

pH electrode with extendable cloth junction to clear clogs

HI98115

pH Tester

The GroLine HI98115 pH tester offers advanced features for the measurement of pH in hydroponic nutrient solutions.

One-button operation

Replaceable pH electrode

1,000 hour battery life



HI98331 SoilTest™

Direct Soil EC Tester

The GroLine HI98331 Soil Test™ is a rugged and reliable pocket-sized tester that offers quick and accurate readings. This direct soil EC tester features a stainless steel penetration probe for direct measurement of conductivity. With a compact size, single button operation, and automatic calibration, Soil Test is an excellent choice for taking direct conductivity measurements in soil and soilless substrates such as rockwool, coconut coir and perlite.

Allows for direct measurement in soil and soil substrates

One-button operation

Built-in 4.5" stainless steel penetration probe



HI98318

Quick Cal
Compatible

EC/TDS (ppm) Temperature Tester

The GroLine HI98318 tester is ideal for measuring the EC/TDS of a hydroponic nutrient solution. The HI98318 has a large, easy to read LCD that displays both EC or TDS and temperature along with indicators for calibration, stability and low battery.

Waterproof

Quick Cal for EC/TDS calibration

Graphite conductivity sensor

Calibration and Maintenance Solutions



Quick Cal

pH/EC quick calibration solution

HI5036-050 500 mL bottle

HI5036-023 230 mL bottle

HI5036-012 120 mL bottle

Includes certificate of analysis



Storage Solution

for pH electrodes

HI70300-050 500 mL bottle

HI70300-023 230 mL bottle

HI70300-012 120 mL bottle

HI70300G-25 20 mL sachets (25)



Cleaning Solution

for pH electrodes

HI7061-050 500 mL bottle

HI7061-023 230 mL bottle

HI7061-012 120 mL bottle

HI70061G-25 20 mL sachets (25)



Quick Cal

pH/EC quick calibration solution

HI50036P 20 mL sachets (25)

Includes certificate of analysis



1.41 mS/cm

conductivity standard solution

HI7031-023 230 mL bottle

HI7031-012 120 mL bottle

HI70031G-25 20 mL sachets (25)

Includes certificate of analysis



5000 µS/cm

conductivity standard solution

HI7039-023 230 mL bottle

HI7039-012 120 mL bottle

HI70039G-25 20 mL sachets (25)

Includes certificate of analysis



pH 4.01

calibration solution,
±0.02 pH @ 25°C (77°F)

HI7004-050 500 mL bottle

HI7004-023 230 mL bottle

HI7004-012 120 mL bottle

HI70004G-25 20 mL sachets (25)

Includes certificate of analysis



pH 7.01

calibration solution,
±0.02 pH @ 25°C (77°F)

HI7007-050 500 mL bottle

HI7007-023 230 mL bottle

HI7007-012 120 mL bottle

HI70007G-25 20 mL sachets (25)

Includes certificate of analysis



pH 10.01

calibration solution,
±0.02 pH @ 25°C (77°F)

HI7010-023 230 mL bottle

HI7010-012 120 mL bottle

Includes certificate of analysis

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instruments