TRANS INSTRUMENTS for the professionals



HYDROPONICS



HortiCare pH Check

pH is another important factor affecting plant's absorption of nutrient. While each plant species has different pH requirements for root's absorption, mixing of nutrient with water of a specific pH will alter the final nutrient pH reading. Hence, measurement of pH is needed for further pH adjustments. The HortiCare pH tester makes pH measurement a breeze with its autolock system, measurements and calibrations will always achieve its best accuracy. Its ruggedness is the toughest amoung all pocket pH testers with its drop shock and water resistant design.



Measuring Range	0.0 to 14.0 pH					
Display Resolution	0.1 pH					
Accuracy	±0.2 pH					
Battery	4 x 1.5V button cell (Alkaline A76 or equivalent)					
Battery Life	Approx. 300 hours (continuous)					
Auto Shut-Off	Approx. 15 min.					
Operating Temperature	0°~50°C					
Size (LxWxH)	170 x 32 x 15mm					
Weight	Approx. 70 gm					

HortiCare Nutrient Check

The HortiCare Nutrient Check tester is the perfect tool for the measurement of nutrient strength. The meter employs a solid state sensor with a fast response temperature sensor to automatically compensate each reading. The auto-lock feature ensures each reading is stabilized and temperature fully compensated and freezes the display. This meter is rugged, made to be water and drop shock resistant, and displays reading in EC or ppm.



Measuring Range	0~10EC	0~100cF	0~7,000ppm		
Display Resolution	0.1EC	1cF	10ppm		
Accuracy	±0.2EC	±2cF	±2%fs		
Battery	4x1.5V Button Cell (Alkaline LR44 or equiv.)				
Battery Life	Approx. 150 hours (continuous use)				
Auto Shut-Off	Approx. 15 min.				
Operating Temperature	0°~50°C				

HortiStick 3-in-1 Nutrient meter

The HortiStick is an all in one meter that combines pH, temperature and Nutrient strength measurement into one sleek meter. The meter is rugged and long for easy stirring of nutrient during mixing. The meter features an auto-lock system that will freeze the display after a final endpoint reading is obtained. Its dual display will illuminate after each successive reading with an audible beep, this makes reading in dark or dim area easy and ensures an accurate reading all the time.

The sensor of this meter is replaceable when it expires. The replacement probe which consists of pH, temperature and nutrient strength sensor is very economical. With just the cost of a pocket pH tester, it is almost like giving the meter an overhaul when you replace the probe.

	PH	EC / ppm	Temp.	
Measuring Range	0 to 14pH	0 to 7mS 10 to 5000 ppm	0 to 50°C 32 to 122°F	
Resolution	0.1pH	0.1mS / 10ppm	0.1°C / °F	
Accuracy	±0.2pH	±0.2mS / 140ppm	±0.5°C	
Temperature Compensation	Automatic 0 to 50°C / 32 to 122°F			
Operating Temperature	0 to 50°C / 32 to 122°F			
Battery Type	4 x 1.5V AA size battery			
Battery Life	Approximately 50 hours (continuous use)			

Replacement probe at the cost of a pH tester



HortiCare LiteCheck

Lighting to plants are food. When plants absorb nutrient, it needs to convert them into food through photosynthesis. Therefore, plant having insufficient lighting will not grow well for flowering and fruiting. Different plant species has its own minimum lighting requirements for photosynthesis. Plants grown using artificial lighting requires periodical checks to ensure light bulbs are promptly replaced when they deteriorates. This is because our eyes adapt to lighting and will not notice when light bulbs deteriorate.

The HortiCare LiteCheck tester is able to measure the light intensity and as a gauge to determine if light bulbs need to be changed. This handy pocket size meter is simple to use and measure light intensity directly on the surface of leafs. Where spot measurement is desired, this meter differs from the regular lux meter which measures an average intensity which includes surrounding light. The meter is able to preset units display in Lux or in foot-candle.



HortiCare LiteCheck

	HortiCare LiteCheck Lux				
Measuring Range	100~50,000 Lux / 10~5,000 fc				
Display Resolution	100 Lux / 10 fc				
Accuracy	±8% Full Scale				
Battery	4x1.5V Button Cell (Alkaline LR44 or equiv.)				
Battery Life	Approx. 150 hours (continuous use)				
Auto Shut-Off	Approx. 15 min.				
Operating Temperature	0°~50°C				



Professional Meters

A range of professional meters are designed for the commercial growers who require high intensity measurements with

no compromise on accuracy.



Professional HP9010 pH meter

The HP9010 professional pH meter are lab grade meters yet rugged for industrial and commercial application. The meter is fully splash proof and able to make 5 points calibration. It has a 99 memory capacity stamp with date and time. The meter comes complete in a hard carrying case with calibration solutions.



Portable pH Meter **HP9010**

	PH	mV		Temp.	
Measuring Range	-2 to 16 pH	±700.0mV	±2,000mV	0 to 120°C	
Resolution	0.01pH	0.1mV	1mV	0.1°C	
Accuracy	±0.02pH	±0.5mV	±2mV	±0.1 °C ±0.5°C (Probe)	
Calibration	Min. 2 point, Max. 5 point				
Buffer Recognition	up to 60°C or 95°C depending on buffer type				
Temperature Compensation	pH electrode temperature error correction 0 to 120°C				
Memory	99 data with real time clock				
Power source	4 x 1.5Volt AAA size battery				

Professional HC9021 Conductivity meter

This meter is versatile and yet rugged to use. The meter is fully splash proof and comes with a 1 meter plastic body electrode. The conversion factor to TDS is adjustable to suit the need for nutrient (0.7) or municipal water (0.5) testing or any factor required. The meter is able to calibrate at 5 different points to give precise accuracy at the measured points. It has a 99 memory capacity stamp with date and time. The meter comes complete in a hard carrying case.



Portable Conductivity Meter

	Conductivity / TDS			Salinity	Temp.		
Measuring	0~19.99µS	0~19.99µS	0~19.99µS	0~19.99mS	0~199.9mS	0.1000apt	0~120 °C
Range	0~9.99ppm	0~99.9ppm	0~999ppm	0~9.99ppt	0~99.9ppt	0~100.0ppt	32 to 248°F
Display Resolution	0.01 µS / ppm	0.1 µS / ppm	1 µS / ppm	0.01 mS / ppt	0.1 mS / ppt	0.1ppt	0.1 °C / F
Accuracy		±1% Full Scale					±0.5°C ±°1F
Calibration	5 points with 1 point on each range						
TDS Factor	Adjustable from 0.40 to 1.00						
Cell constant	Selectable from 0.1 , 1.0 & 10.0						
Temperature Compensation	Automatic from 0 - 100 °C						
Memory	99 data with real time clock						
Power source	4 x 1.5Volt AAA size battery						

CAL calibration standards

DAL calibration standard solutions comes in two bottle sizes as well as in single satchels. These standards are made with precision. The reference meter that qualifies them are calibrated against solutions that are traceable to the ASTM standards.

	Order Code		
Conductivity Standard solution in bottle	90ml	500ml	
CAL 1413µS Standard Conductivity Solution	SC1413N	SC1413F	
CAL 990ppm Standard TDS Solution	ST0990N	ST0990F	
CAL 2.76EC / 27.6cF /1935ppm Standard Solution	SC0276N	SC0276F	
CAL 6.7EC / 67cF / 4700ppm Standard Solution	SC0067N	SC0067F	
pH Buffer Solution in bottle	90ml	500ml	
CAL pH 7.00 Standard pH buffer Solution	SP0700N	SP0700F	
CAL pH 4.01 Standard pH buffer Solution	SP0401N	SP0401F	
CAL pH 10.01 Standard pH buffer Solution	SP1001N	SP1001F	
pH Buffer Solution in single satchels	18ml S	atchel	
CAL pH7.00 Satchel 10pcs/Box	SP0700S		
CAL pH4.01 Satchel 10pcs/Box	SP0401S		
CAL pH10.01 Satchel 10pcs/Box	SP1001S		





AUTHORISED PARTNERS



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