

Waterproof Pocket Water Quality Meters



HORIBA

Applications





pH and Conductivity Measurements in Coconut Coir Substrate

Coconut coir testing involves extracting a sample solution with distilled water and measuring the pH and conductivity of the extract. The acceptable ranges for 1:2 (v/v) dilution and pour thru sampling methods are 0.26-0.75 mS/cm 1.0-2.6 mS/ and respectively. cm. The ideal pH range is 5.4-6.2 for both methods.

conductivity Scan QR Code for link



Determination of Nutrient **Concentrations in Soil** Solution and Tomato Plant Sap

Fertigation management requires rapid and accurate methods to determine nutrient concentrations in soil solution and plant sap. Folegatti et al (2005) found that the concentrations of NO₂⁻, K⁺, and Na⁺ in soil solution and tomato plant sap determined by LAQUAtwin ion pocket meters showed good correlations with those obtained in soil solution and in leaf dry matter, respectively, determined by standard methods in laboratory, and concluded that Scan QR Code for link

LAQUAtwin ion pocket meters are low-cost useful tools in fertigation management.





meter.



Measurement of pH in Plant Tissue

An optimal pH value of 6.4 in plant tissue will encourage healthy growth and prevent insects and diseases attacking the plant. To measure pH, squeeze the sap of mature leaves Scan QR Code for link

with garlic press and place the sap onto the sensor of LAQUAtwin pH



Conductivity and **Elephant's Foot** Testing

Elephant's foot is a physiological disorder in sweet pepper (Capsicum annuum L.), where the base of the plant's stem becomes swollen below the cotyledon level and wounds develop at the base of the stem's epidermis because of salt accumulation. LAQUAtwin conductivity meter can be

used to measure conductivity of soil and help farmers choose the best land to grow sweet pepper crops.





Soil pH and Nutrient Availability

The desirable soil pH range for optimum plant growth varies among crops. Generally, soil pH 6.0-7.5 is acceptable for most plants as most nutrients become available in this pH range. Soil pH can be determined Scan QR Code for link

by mixing soil sample with water and then measuring the resulting aqueous solution.





Soil Nitrate Measurement for **Determination of** Plant-Available Nitrogen

Nitrate concentration in soil is a good indicator of available nitrogen to plants. The required soil nitratenitrogen (NO₃-N) for

Scan QR Code for link specific crops varies from crop to crop

but in general, a concentration range of 10-50 mg/kg is desired.



Soil Salinity Measurement in Almond Orchard

Crops have different levels of tolerance to salinity. Testing soil salinity is the best way to check soil condition in the orchard before salt damage occurs. The EC_{1:5} test is used to estimate Scan QR Code for link

soil salinity (EC_e). The soil salinity threshold value for almond is 1.5 mS/ cm.



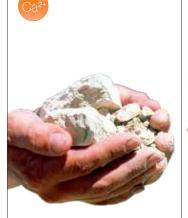


Impact of Soil Salinity on Sugar **Cane Yield**

Soil salinity adversely affects the growth of sugar cane crops. To help optimize sugar cane yield, check the sodium content in soil by mixing it with Scan QR Code for link

water in 1:5 ratio and measuring the resulting solution with LAQUAtwin sodium ion meter.





Measurement of Calcium in Soil

Calcium is one of the essential nutrients taken up by plants from soil for cell wall development. To measure calcium concentration in soil, extraction with 1M ammonium acetate and filtration

should be performed prior to placing filtrate the onto the flat sensor of LAQUAtwin calcium ion meter





Measurement of Potassium in Soil

In laboratories, potassium in soil is extracted with 1M ammonium acetate and analyzed with Atomic Absorption (AA) or Inductivity Coupled Plasma-Optical Emission Spectrometry (ICP-OES). LAQUAtwin potassium ion meter showed values higher than those of ICP-OES. However, with 0.01M ammonium acetate extraction, correlation Scan QR Code for link dood

(r=0.981, r2=0.962) obtained was between **ICP-OES** LAQUAtwin and potassium ion meter



Potassium Determination in Plant Tissue

Comparison of LAQUAtwin Potassium Ion Meter and ICP Spectrometry Trials revealed close significant correlation (r values were 0.80 and 0.93 for first and second trials, respectively) between the LAQUAtwin potassium ion meter readings and ICP results obtained from plant's fresh petiole sap and dried tissue, respectively. This suggested that LAQUAtwin potassium ion meter could be appealing an

field method substitute for rapid determination of potassium concentration in plants.



Scan QR Code for link



Measurement of Potassium in Rice

Potassium is one of the essential plant nutrients supplied via fertilizer in most irrigated rice fields. Extracting sap from the lower stem of plant rice and analysing it with LAQUAtwin potassium meter provide indication Scan QR Code for link

of the current potassium status and help farmers adjust the fertilizer application.





Rapid In-Field Determination of Nitrogen in Onions

Fresh root sap analysis with LAQUAtwin nitrate ion meter offers cost-effective, rapid, and easy solution to determine nitrogen status in onion plants. The nitratenitrogen (NO_3-N) concentrations in onion vary at different growth stages. The Scan OB Code for link

acceptable root sap NO₂-N concentration range for 0.5 to 1.5inch onion bulbs is 350 to 500 ppm.



Nitrate Measurement in Turf Grass

Nitrate concentration in grasses can be used as an indicator of soil nitrogen (N) availability for their growth. Research at the University Connecticut Scan QR Code for link of

suggests verdure sap nitrate-N concentrations at 200-300 ppm as the optimum level.



Quick Nutrient Analysis in Strawberry Production

Regular monitoring of nutrient levels such as nitrate (NO $_3$), potassium (K⁺) and calcium (Ca²⁺) in plant petioles, soil solution, irrigation water, and drain water produces not only good yield and fruit quality, but also reduces fertilizer cost and mitigates environmental hazards. The LAQUAtwin pocket meters are the perfect tools for testing as they directly measure samples and provide results

in just few seconds allowing growers identify to and correct any nutrient deficiency or excess immediately.



Scan QR Code for link

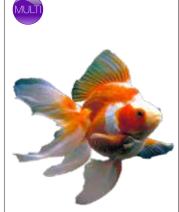


pH and Conductivity for Testing Acrylic Paint Films and **Paper Supports** and Formulating Aqueous Cleaning Solutions

Isotonic aqueous cleaning solutions that match the pH and conductivity readings of acrylic paint films and paper supports obtained from agarose gel pellets have been shown to be effective in reducing removing Scan QR Code for link

or dust, active dirt. mold growth and associated stains, tide line stains, and discoloration





Aquarium Water Testing

Testing aquarium water such as freshwater and saltwater (either natural or artificial seawater) with reliable instruments is necessary to create a clean and safe environment for your aquatic species. The LAQUAtwin pocket Scan QR Code for link

meters require only few drops of water and deliver the results in just few seconds



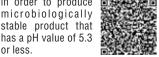
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pH Measurement in the Acidification of Fermented Sausages

Lowering pH or increasing acidity of meat has become main hurdle against pathogenic bacteria in sausage making. pH is used in the course of _{Scan QR Code for link} fermentation process

in order to produce microbiologically stable product that

or less.



Canned Food Testing For brine of canned acid foods, the equilibrium pH value must be 4.6 or below to Scan QR Code for link inhibit the growth

Clostridium botulinum, the most heat resistant of the food pathogen

microorganisms.

of

pH of Brine for



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pH Measurement to **Determine Freshness** of Meat Products

Fresh meat must have a pH value in the range of 5.5 to 6.2 before selling to consumers. LAQUAtwin pH meter provides Scan QR Code for link

a simple and cost effective way to check the freshness of meat in the local markets.





pH Measurement to Determine Acidification of Sushi Rice

The rice used for sushi must be acidified with acetic acid (vinegar) to pH less than 4.6 to inhibit the growth of pathogenic bacteria. To measure pH, simply Scan QR Code for link

place a sample of rice mixture onto the flat sensor of LAQUAtwin pН meter.





pH Measurement of **Pickled Fruits and** Vegetables

Pickling is a process of preserving fruits and vegetables in brine, oil, water or vinegar. The Australia New Zealand Food Code Scan QR Code for link

Standard 2.3.1 requires the preserved fruits and vegetables to have a pH not greater than 4.6 to prevent botulism.



Determination of Sodium Content in **Food Samples**

Foods contain varying amounts of salt (NaCl), which has 40% sodium. Determining the sodium content in foods accurately reduces the health risks associated with it. The American Heart Association recommends consumption of less

than 1500 mg/day Scan OB Code for link sodium for most

American adults, which is the level with the greatest effect on blood pressure.





Sodium Value Check for Canned Food

There is a growing concern on canned foods with large sodium content as excessive intake of sodium can cause high blood pressure and hypertension. To check the sodium content in canned food, dilute a sample Scan QR Code for link

with DI water in 1:5 ratio, then place the resulting solution onto the LAQUAtwin sodium ion meter.





Measurement of Calcium in Milk and **Milk Beverages**

Determining the calcium content of milk and milk beverages helps consumers accurately gauge their calcium intake. Unlike atomic absorption spectroscopy (AAS) and inductively coupled plasma atomic emission spectroscopy (ICP), the LAQUAtwin calcium ion meter offers a simpler method of Scan QR Code for link

measuring calcium ion-ionizing proteinbound calcium in sample using acid before analysis.





Measurement of Sodium in Athlete's Sweat

Determining sodium the in sweat and concentration replacing that with proper electrolyte intake prevent fluid and electrolyte imbalances. Sweat can be easily extracted from sterile patches applied on skin and tested with LAQUAtwin sodium ion meter. According

to Gatorade Sports Scan QR Code for link Science Institute. the sodium results obtained with HORIBA falls within 15.4 mEg/L 95% of the time.



Nitrate Measurement in Hybrid Sudangrass and **Pearl Millet Havs**

Determining the nitrate concentrations of sudangrass and pearl millet before feeding them to livestock prevents nitrate toxicity. Plant sap testing with LAQUAtwin B-743 nitrate ion meter offers fast and accurate nitrate in-field analysis. Generally, the maximum nitrate

concentrations Scan QR Code for link

considered safe for all cattle are 820 ppm and 700 ppm for sudangrass sap and pearl millet sap, respectively.





Residual Sodium Check During Cleanin-Place Process

Caustic soda or sodium hydroxide (NaOH) is the chemical commonly used in alkaline cleaning solution for clean-in-place (CIP) in process plants. Measuring the sodium ion concentration on the

process equipment.

Scan QR Code for link water rinse or swab

can indicate whether residual chemical has been removed properly from the



pH of Cement for **Floor Installation** Testing

Fresh concrete is usually very alkaline, above pH 11. When the alkalinity in a concrete subfloor is high, it can stop the floor covering adhesive from bonding properly to the concrete. Australian Standard 1884 for resilient flooring states Scan QR Code for link installation

the the pH level of the concrete surface should be between 9 and 10 before the flooring can be installed





Measuring Salinity of Water

Measuring the salinity or the dissolved salt content of water is important as aquatic organisms, livestock, and crops thrive at different salinity levels. Freshwater salinity Scan QR Code for link

has a salinity value of less than 0.5 ppt while seawater has an average salinity of 35 ppt.



Measurement of Calcium in Drinking Water

Determining the calcium content of drinking water helps consumers accurately gauge their calcium intake. Unlike atomic absorption spectroscopy (AAS) and inductively coupled plasma atomic emission spectroscopy (ICP), the LAQUAtwin calcium ion meter offers a

simpler method of Scan QR Code for link measuring calcium

ion - ionizing bound calcium in water using acid before analysis.



Determination of Potassium in Sea Water

Seawater has high ionic strength. To eliminate matrix effect in measuring (K⁺) concentration, potassium standard solutions made with the same background as the seawater sample are recommended for calibration. The result of measurement using Scan QR Code for link LAQUAtwin the

Potassium Ion meter is within $\pm 10\%$ of seawater typical concentration.



LAQUAtion Compact Water Quality Meter

Lab in your pocket LAQUAtwin compact meters are simple and easy-to-use.

8 Water Quality Parameters: pH, Conductivity, Total Dissolved Solids (TDS), Ions (Na⁺, K⁺, NO₃⁻, Ca²⁺) and Salt

Employing the same test principle as laboratory electrodes, LAQUAtwin compact meters provide a reliable and accurate measurement. Select your meter that best suits your application from 11 colorful models.

Quick!

No container is needed to calibrate or measure. Only few drops of standards and samples are all you need.

Variety!

Measurements can be made in different positions because of the sensor design.

operation makes everyone an expert.

Anyone!

Easy & simple

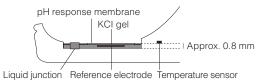
Solution! Discover more with easy, on-site measurement.

Wherever!

IP67 rated dust/ waterproof. Carry LAQUAtwin and its accessories in a carrying case.

Accurate reading from a single drop of sample in just a few seconds

Incorporating the same parts as standard laboratory electrodes, the LAQUAtwin compact meters are built with miniaturized components and unique flat sensor chip, which is less than 1 mm thick—a result of 60 years of HORIBA's sensor engineering technology.



Cross-sectional view of the flat pH sensor chip.

Calibrate and measure at the touch of a button. Read the result when \odot appears.

Hassle-free operation with single-button calibration and measurement. Record the reading once a smiley face appears on the display

Reliable! HORIBA 60 years sensor technology distilled in HORIBA's unique flat sensor.

Cost effective

1/100 of standard solution and sample volume is needed. Sensor is replaceable.

Carrying case comes with calibration solutions and accessories

Everything you need for measurement is already packed in a carrying case for portability and storage. Also, you may attach a strap or tag (not included) on the strap hole of the meter for your convenience.

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Attach a strap or tag here.

Fully waterproof and dustproof (IP67 rated)¹ with backlight display

The LAQUAtwin compact meters can be used anywhere and anytime. No need to worry with water splashes or inclement weather during measurement. With the meter's backlight display, you may view the reading in testing sites with poor light condition.

¹Withstand immersion for 30 minutes at 1m depth. Not suitable for underwater use.





Easy measurement for all users

LAQUAtwin



powders, and sheet-like samples. Above pictures are for illustration purposes only.

	Atwin	0	LAQUANIA = TUT or	
Model	pH-11 🖭 🔍	_{рН} рН-22 рН т∨	pH-33 🖻 🔍 💷	
Features	WATER MICRO 2 PT 0.1 pH	WATER MICRO 3 PT CAL 0.01 pH	WATER MICRO 5 PT 0.01 pH	
Part No.	3999960122	3999960123	3999960124	
Measurement Principle		Glass Electrode		
Minimum Sample Volume	0.1 ml (0.05 ml with Sampling Sheet B)			
pH Range / Resolution	0.0 to 14.0 pH / 0.1 pH 0.00 to 14.00 pH / 0.01 pH			
Accuracy	± 0.1 pH	± 0.0	01 pH	
Maximum pH Calibration Points	2	3	5	
pH Calibration Curves		USA: 1.68, 4.01, 7.00, 10.01 & 12.46 NIST: 1.68, 4.01, 6.86, 9.18 & 12.46		
mV Range / Resolution		± 650 mV / 1 mV		
Temperature Display / Resolution	-	0 to 50.0 °C / 0.1 °C		
Functions	Automatic Buffer Recognition • Temperature Compensation • Temperature Calibration* • Auto Hold / Auto Stable • Automatic Power Off (30 mins.) • Low Battery Indicator • IP67 Water / Dust Proof • Replaceable Sensor			
Display	Cus	stom (Monochrome) Digital LCD with Back	light	
Operating Temperature / Humidity	5 to 40 °C / 85% or less in relative humidity (no condensation)			
Battery Life	Арр	prox. 400 hrs. continuous use without back	light	
Material	ABS epoxy body / flat glass sensor			
Dimensions		164 x 29 x 20 mm(excluding projections)	Mary S	
Mass	Ą	Approx. 55g (including sensor and batteries	s)	
Accessories included		pH 7.00 & 4.01 pH Buffers (14 ml each) s (2) • Dropper • Instruction & Quick Manua	als • Storage Case	
*Applicable for models	with temperature display			

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	COND #HB LAQUANIA	ST LA	all EC = SILL and
Contraction of the second seco			

		Conductivity (EC)		Salt (NaCl)	
Model	EC-11 👓	EC-22 👓 阿	EC-33 💿 🗊 💷	Salt-11 Salt	
Features	WATER MICRO 2 PT CAL -19.9 MS/com	WATER MICRO 3 PT CAL -199.9 MS/com	WATER MICRO 3 PT CAL ~199.9 WOLUME CAL ~500	WATER MICRO 2 PT EC CONV	
Part No.	3999960125	3999960126	3999960127	3999960128	
Measurement Principle		2 Electrod	e Bipolar AC		
Minimum Sample Volume		0.1	12 ml		
Measurement Range /	Conductivity 0 to 199 μS/cm (1 μS/cm) 200 to 1999 μS/cm (1 μS/cm) 2.00 to 19.99 mS/cm (0.01 mS/cm)	Conductivity 0 to 199 μS/cm (1 μS/cm) 200 to 1999 μS/cm (1 μS/cm) 2.00 to 19.99 mS/cm (0.01 mS/cm) 20.0 to 199.9 mS/cm (0.1 mS/cm)		Salt 0.0 to 100.0 g/L (0.1 g/L)	
Resolution	TDS 0.0 to 99.9 ppm (0.1 ppm) 100 to 999 ppm (1 ppm) 1000 to 9990 ppm (10 ppm)		Salt 0.00 to 10.00 % (0.01 %)		
Accuracy	± 2% full scale (for each range)	± 2% full scale (0 to 19.99 mS/cm) ± 5% full scale (20.0 to 199.9 mS/cm) = 3		± 2% full scale (0.0 to 9.9 g/L) ± 4% full scale (10.0 to 100.0 g/L)	
Maximum Calibration Points	2			2	
Calibration	1413 µS/cm, 12.88 mS/cm	1413 µS/cm, 12.88	1413 µS/cm, 12.88 mS/cm, 111.8 mS/cm		
Curves	-	_	TDS Factor (0.4 to 1.0) / EN 27888 / 442 / NaCl	NaCI / Sea water	
Temperature Display / Resolution	_	0 to 50.0 °C (0.1 °C)			
Functions		tomatic Range • Automatic Standard Recognition • Temperature Compensation (2%/°C fixed) • Temperature Calibration* • Auto Hold / Auto Stable • Automatic Power Off (30 mins.) • Low Battery Indicator • IP67 Water / Dust Proof • Replaceable Sensor			
Display		Custom (monochrome)	digital LCD with backlight		
Operating Temperature & Humidity	5 to 40 °C, 85% or less in relative humidity (no condensation)				
Battery Life	Approx. 400 hrs. continuous use without backlight				
Material			pated with platinum black sensor		
Dimensions			excluding projections)		
Mass		Approx. 50g (includin	ig sensor and batteries)		
Accessories included	1413 uS/cm & 12 88 mS/cm Conductivity Standard Solutions (14 mLeach)			0.5% & 5.0% NaCl Standard Solutions (14 ml each)	
Conditioning Solution (4 ml) • CR2032 Batteries (2) • Dropper • Instruction				uals • Storage Case	

Conditioning Solution (4 ml) • CR2032 Batteries (2) • Dropper • Instruction & Quick Manuals • Storage Case *Applicable for models with temperature display **TDS Calibration Curves** Key chemical species Application **TDS** selection Aquaculture, pickling NaCl NaCl Boiler water, HVAC Na2SO4, NaHCO3, NaCl 442 Environmental EN standard for environmental water EN 27888 General application KCI TDS Factor Linear Default: 0.5 Selectable: 0.4 to 1.0 EN 27888 Curve 442 Curve NaCl Curve 12000 30 800 250 10000 7000 200 TDS (mg/L) 8000 COND / mS/cm-1 150 6000 5442 1000 4000 2000

> 40000 60000 Conductivity μS/cm

3000

NaCl / mM

500

08 | LAQUAtwin

200

10 Conductivity (mS/cm)

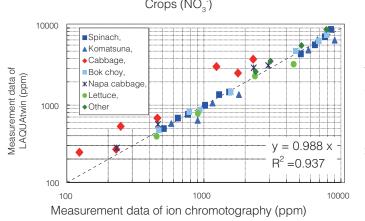
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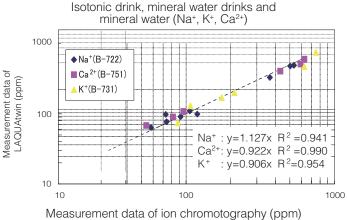
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	Sodium Ion (Na ⁺)	Potassium Ion (K ⁺)	Nitrate Ion (NO ₃ ⁻)	Calcium Ion (Ca ²⁺)
Model	Na-11 Nat Temp	K-11 💽 🎰	NO3-11 💽 酠	Ca-11 Cat Temp
Features	WATER MICRO 2 PT PROOF VOLUME CAL	WATER MICRO PROOF VOLUME 2 PT CAL	WATER MICRO 2 PT PROOF VOLUME CAL	WATER MICRO 2 PT CAL
Part No.	3200689159	3200689160	3200689162	3200689161
Measurement Principle	Ion Selective Electrode			
Minimum Sample Volume		0.3 ml (0.05 ml with	a Sampling Sheet B)	
Measurement Range	2 to 9900 ppm (mg/L) (0.1 to 430 mmol/L)	4 to 9900 ppm (mg/L) (0.1 to 250 mmol/L) 2 to 5000 kg/10a (soil/water ratio 1:5)	NO ₃ ⁻ : 6 to 9900 ppm (mg/L) (0.1 to 160 mmol/L) NO ₃ ⁻ N: 1.4 to 2200 ppm (mg/L)	4 to 9900 ppm (mg/L) (0.1 to 250 mmol/L)
Resolution	0 to 99 ppm: 1 ppm 100 to 990 ppm: 10 ppm 1000 to 9900 ppm: 100 ppm			
Accuracy	± 10% of actual value			± 20% of actual value
Maximum Calibration Points	2			
Temperature Display / Resolution	0 to 50.0 °C / 0.1 °C			
Functions	Automatic Standard Recognition • Changeable Low and High Calibration Values • Temperature Compensation • Temperature Calibration • Multiplication Compensation (0.01 to 9.90) • Auto Hold / Auto Stable • Automatic Power Off (30 mins.) • Low Battery Indicator • IP67 Water / Dust Proof • Replaceable Sensor			
Display	Custom (Monochrome) Digital LCD with Backlight			
Operating Temperature / Humidity	5 to 40 °C / 85% or less in relative humidity (no condensation)			
Battery Life	Approx. 400 hrs. continuous use without backlight			
Material	ABS epoxy body / flat glass sensor			
Dimensions	164 x 29 x 20 mm(excluding projections)			
Mass	Approx. 55g (including sensor and batteries)			
Accessories included	150 & 2000 ppm Standard Solutions (14 ml each) Sampling Sheet B (5pcs) CR2032 Batteries (2) Dropper Instruction & Quick Manuals Storage Case			
	Correlation betwee	n LAQUAtwin measuremer	t data and ion chromatogra	iphy
	Crops (NO ₂ -)		Isotonic drink, mineral v	vater drinks and





*When measuring Ca²⁺, samples are pretreated in order to match the conditions of the ion chromatography.

Solutions & Accessories

LAQUAtwin

LAQUAtwin Replacement Sensors			nsors
	Part No.	Model	Description
	3200459834	S010	pH Sensor (for B-711, B-712, B-713, pH-11, pH-22 & pH-33)
	3200459866	S021	Salt Sensor (for B-721)
	3200459867	S022	Sodium Ion Sensor (for B-722 & Na-11)
	3200459868	S030	Potassium Ion Sensor (for B-731 & K-11)
	3200459870	S040	Nitrate Ion Sensor (for B-741, B-742, B-743, NO3-11, NO3-11C & NO3-11S)
	3200459869	S050	Calcium Ion Sensor (for B-751 & Ca-11)
	3200459672	S070	Conductivity Sensor (for B-771, EC-11, EC-22, & EC-33)
	3200597237	S071	Salt EC Sensor (for Salt-11)



LAQUAtwin Standard Solutions (6 x 14ml bottles per pack) Part No. Model Description 3999960108 514-4 pH 4.01 Buffer 3999960109 514-7 pH 7.00 Buffer 1413 µS/cm Conductivity Standard Solution 3999960110 514-22 3999960111 514-23 12.9 Conductivity Standard Solution 3999960112 514-05 0.5% NaCl Standard Solution 3999960113 514-50 5.0% NaCl Standard Solution 3999960114 514-20 Conditioning Solution (For Conductivity & Salt Sensors) 3200457723 Y022H 2000ppm Sodium Ion Standard Solution 3200457724 Y022L 150ppm Sodium Ion Standard Solution 3200457719 Y031H 2000ppm Potassium Ion Standard Solution 3200457720 Y031L 150ppm Potassium Ion Standard Solution 3200053433 Y041 5000ppm Nitrate Ion Standard Solution 3200053514 Y042 300ppm Nitrate Ion Standard Solution 3200053532 Y043 2000ppm Nitrate Ion Standard Solution 3200053535 Y044 30ppm Nitrate Ion Standard Solution 3200053536 Y045 150ppm Nitrate Ion Standard Solution 3200457727 Y051H 2000ppm Calcium Ion Standard Solution

150ppm Calcium Ion Standard Solution

Sampling Sheet B (100pcs) for minute samples (≥ 0.05ml)

Sampling Sheet Holder (use with sampling sheet B for samples with

3200457728

3200053858

3200459736

Part No.

LAQUAtwin Accessories

Y051L

Model

Y046

Y048

Description

particulates)

4	4	4
	•	•
- 11	11	49



pH Buffers Conductivity Standard Solutions

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Sodium Ion Standard Solutions

Potassium Ion Standard Solutions

Calcium Ion Standard Solutions



Nitrate Ion Standard Solutions



Sampling Sheet B

Visit HORIBA's website!

Water Quality Analyzers

www.horiba-laqua.com

With over 60 years of engineering excellence, HORIBA's diverse range of water quality analyzers and electrodes are ideal for everyday laboratory needs through to the most demanding of applications. Visit our website for a wealth of useful information and water quality measurement tips to help you obtain the best results in your work.







LAQUA

Benchtop Meters

Developed using extensive feedback from users, our new LAQUA meters deliver the best solution for water quality analysis. Our LAQUA website features an online 'Selection Guide' to enable you to find the perfect LAQUA meter and electrode for your need.

Handheld Meters

In the lab, in the field or anywhere you need it. LAQUA Handheld meters are designed for use with one hand and with an IP67 waterproof rating and shockresistant casing. Meters can be used for long periods, even in dark places, making it ideal for field measurements in rivers and lakes.

Electrodes

Various electrodes to match any application. A wide range of products for both benchtop and portable systems are available, including easy and reliable standard models, applicationfocused models for small samples or large containers, and special electrodes for specific sample characteristics.



Application Notes

LAQUAtwin pocket meters offer quick and convenient alternative to analyze important parameters with high accuracy. Several application notes are available at (http://goo.gl/znwE6j) detailing the use of LAQUAtwin and the results achieved for the respective applications. Additional application notes will be added when available.



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HORIBA Instruments (Singapore) Pte. Ltd.

83 Science Park Drive, #02-02A, The Curie, Singapore 118258 Phone: 65 6908-9660 Fax: 65 6745-8155 e-mail: **Iaqua@horiba.com** www.horiba-Iaqua.com

HORIBA UK Limited

Kyoto Close, Moulton Park, Northampton NN3 6FL Phone: 44 (0) 1604 542567 Fax: 44 (0) 1604 542699 e-mail: waterquality@horiba.com www.horiba.com/uk



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HORIBA

Explore the future

CE

Automotive Test Systems | Process & Environmental | Medical | Semiconductor | Scientific