



# Features:

- Up to 5 calibration points for pH and Ion
- 5 pH buffer groups USA, NIST, NIST2, China, and Custom
- 0.01 and 0.001 pH resolutions
- pH calibration interval setting 1 to 999 days
- 1-point ORP calibration
- Ion calibration curve and standard addition methods
- Temperature sensor calibration function
- Single channel for F-72 and dual channel display for F-73

Ordering Information:		
Meter Kit*	<ul> <li>F-72A-S (3999960011)</li> <li>F-72 meter</li> <li>electrode stand</li> <li>protection cover</li> <li>power adaptor with 6 plugs</li> <li>data acquisition software in USB</li> <li>9615S-10D - refillable, glass-body pH electrode with integrated temperature sensor, 1m cable, BNC &amp; phono jack</li> <li>502-S - pH 4.01, 7.00, 10.01, 3.33M KCl solutions (250ml each)</li> </ul>	<ul> <li>F-73A-S (3999960012)</li> <li>F-73 meter</li> <li>electrode stand</li> <li>protection cover</li> <li>power adaptor with 6 plugs</li> <li>data acquisition software in USB</li> <li>9615S-10D - refillable, glass-body pH electrode with integrated temperature sensor, 1m cable, BNC &amp; phono jack</li> <li>502-S - pH 4.01, 7.00, 10.01, 3.33M KCl solutions (250ml each)</li> </ul>
Meter Kit with 21 CFR Part 11 Software	F-72A-S-CFR (3999960210)	F-73A-S-CFR (3999960212)
Meter with Electrode Stand	<ul> <li>F-72G (3000347100)</li> <li>F-72 meter</li> <li>electrode stand</li> <li>protection cover</li> <li>power adaptor with 6 plugs</li> <li>data acquisition software in USB</li> </ul>	<ul> <li>F-73G (3000347200)</li> <li>F-73 meter</li> <li>electrode stand</li> <li>protection cover</li> <li>power adaptor with 6 plugs</li> <li>data acquisition software in USB</li> </ul>
	9615S-10D (3200585428)	
pH Electrode	<ul> <li>refillable, glass-body pH electrode with integrated temperature sensor, 1m cable, BNC &amp; phono jack</li> </ul>	
pH Electrode USA pH Buffer Set	• refillable, glass-body pH electrode with integrated	• refillable, glass-body pH electrode with integrated
	<ul> <li>refillable, glass-body pH electrode with integrated temperature sensor, 1m cable, BNC &amp; phono jack</li> <li><b>502-S</b> (3999960016)</li> <li>pH 4.01, 7.00, 10.01, 3.33M KCl solutions</li> </ul>	<ul> <li>refillable, glass-body pH electrode with integrated temperature sensor, 1m cable, BNC &amp; phono jack</li> <li>502-S (3999960016)</li> <li>pH 4.01, 7.00, 10.01, 3.33M KCl solutions</li> </ul>

Model	<b>F-72</b> pH/ORP/Ion/Temp (°C)	<b>F-73</b> Dual Channel pH/ORP/Ion/Temp (°C)				
pH Range	-2.000 to 20.000 pH	-2.000 to 20.000 pH				
Resolution	0.01 / 0.001 pH	0.01 / 0.001 pH				
Accuracy	± 0.001 pH	± 0.001 pH				
Calibration Points	Up to 5	Up to 5				
Buffer Options	USA, NIST, NIST2, China, Custom	USA, NIST, NIST2, China, Custom				
ORP Range	± 1999.9 mV	± 1999.9 mV				
Resolution	0.1 mV	0.1 mV				
Accuracy	±0.2 mV	±0.2 mV				
Ion Range	0.000 µg/L to 9999 g/L (mol/L)	0.000 µg/L to 9999 g/L (mol/L)				
Resolution	4 significant digits	4 significant digits				
Accuracy	± 0.3% of full scale	± 0.3% of full scale				
Calibration Points	Up to 5	Up to 5				
Temperature Range	-30.0 °C to 130.0 °C	-30.0 °C to 130.0 °C				
Resolution	0.1 °C	0.1 °C				
Accuracy	±0.4°C	±0.4°C				
Calibration Option	Yes	Yes				
Navigation Function	Yes	Yes				
Memory	2000	2000				
Auto Data-Logging	Yes	Yes				
Data Search	Yes	Yes				
Custom Printing	Yes	Yes				
Real Time Clock	Yes	Yes				
Date / Time Stamp	Yes	Yes				
Sample ID Input	Yes	Yes				
Operator ID Input	Yes	Yes				
Password Setting	Yes	Yes				
Auto Stable / Auto Hold	Yes	Yes				
Offset / Slope Display	Yes (independent acid and alkaline slopes depending on calibration)	Yes (independent acid and alkaline slopes depending on calibration)				
Calibration Alarm Limit	Yes	Yes				
Electrode Status	On screen display	On screen display				
Diagnostic Messages	Yes	Yes				
Display	Touch screen color graphic LCD	Touch screen color graphic LCD				
Languages	English / Japanese / Chinese / Korean / Vietnamese	English / Japanese / Chinese / Korean / Vietnamese				
Inputs	BNC, phono, DC socket	Dual BNC, dual phono, DC socket				
Outputs	USB, RS232C, analog output	USB, RS232C, analog output				
Power Requirements	AC adaptor 100 ~ 240V, 50/60 Hz	AC adaptor 100 ~ 240V, 50/60 Hz				
Electrode Stand	Stand alone	Stand alone				
Weight	700g	700g				
Dimensions	170 (W) x 174 (D) x 73 (H) mm	170 (W) x 174 (D) x 73 (H) mm				

	lootro	do					3-in-1	ELECTR	ODES						CON	BINATIO	ON ELEC	TRODES
-	lectro			PLA	STIC		STANDARD	LONG	MICRO	SLEEVE	SLEEVE	NON-	NEEDLE	PLASTIC	STANDARD	MICRO	SLEEVE	LONG
Selec	ction (	Guide	9625-10D	9630-10D	9631-10D	9632-10D	ToupH 9615S-10D	ToupH 9680S-10D	ToupH 9618S-10D	ToupH 9681S-10D	6367-10D	AQUEOUS 6377-10D	6252-10D	9425-10C	ToupH 9415-10C	ToupH 9418-10C	ToupH 9481-10C	6069-10C
	Applicable te	mperature	0-100	0-100	0-60	0-100	0-100	0-100	0-60	0-60	0-60	0-60	0-60	0-100	0-100	0-60	0-60	0-60
0 10 11	range (°C)																	
Specification	Diameter (mr	n)	16	16	16	16	12	8	3	12	12	12	12	16	12	3	12	3
	Length (mm)		150	150	155	150	198	283	185	203	150	150	150	150	198	185	203	291
pH - San	nle Con	ditions																
		Normal (over 100	۲		۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲
		mS/m) Low (approx.10																
	Conductivity	~100 mS/m		۲						0		۲					0	
		Very low (approx. 5 ~100 mS/m		0						0		۲					0	
		High (approx. 5 S/m)	0	0	0	0	0	0		۲				0	0			
Aqueous	Strong alkali	ne (pH 10-12)				۲	0	0		0	0				0		0	
Solution		y (pH 0-2) * Except			۲		۲				_				۲			
	HF sample	(																
		nange (within 50°C)	۲	۲		۲								۲				
		y (approx. 5 Pa·S)								۲	0	۲					۲	
	Containing n solvent	un-aqueous					0	0	0	0	0	۲			0	0	0	
	Suspension						0	0	0	۲		۲			0	0	۲	
Solid/	Inside												0					
Semisolid	Surface																	
	1		, 1		1			, 1										1
	Microtube/pl	ate (> 50 µL)							۲							۲		
	Ampule	>ø4 mm							۲							۲		0
	Micro contair	ner (> 2 mL)						0	۲							۲		0
Sample	Tube	ID:13 mm, L:100 ~ 150 mm						۲										۲
Containers	Beaker	10 mL ~ 1 L	۲		۲	۲	۲	0	0	0	0	0	0	۲	۲	0	0	0
	Large contair		0	0	0	0	0	0						0	0			
	Petri dish																	
	Droplet																	
	Pure/ion-exc																	
	water (approx						0								0			
Water	Tap/drinking 10 mS/m)	water (approx.	0	۲			0			0		۲		0	0		0	
	Surface wate	r		۲			0			0		۲			0		0	
	Pharmaceuti		0	0			0			0				0	0			
	Enviromental	cal water/   water/acid rain 1g acid (Except	0	0			0			0		0		0	0		0	
	Enviromental Caustic/stror HF sample)	water/acid rain ng acid (Except	0	0	۲		0 ()			0		0		0	<ul><li></li><li></li></ul>			
Chemical reagent/	Enviromental Caustic/stror HF sample) Hydrofluoric	water/acid rain ng acid (Except	0	0	•		۲			0				0	۲		0	
Chemical reagent/ solvent	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant	water/acid rain ng acid (Except acid	0	0			•			() () ()		0		0 	•		<ul> <li>○</li> <li>○</li> <li>○</li> </ul>	
reagent/	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based	water/acid rain ng acid (Except acid paint	0	0			۲			<ul> <li>•</li> <li>•</li> <li>•</li> </ul>		0			۲		<ul> <li>○</li> <li>○</li> <li>○</li> <li>○</li> <li>○</li> </ul>	
reagent/	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring	water/acid rain ng acid (Except acid paint	0	0			<ul> <li>O</li> <li>O</li> </ul>			<ul> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>		0			<ul> <li>O</li> <li>O</li> </ul>	0	<ul> <li>○</li> </ul>	
reagent/	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring	water/acid rain ng acid (Except acid paint agent aining sample	0				•			<ul> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	0	0			•	0	<ul> <li>○</li> <li>○&lt;</li></ul>	
reagent/ solvent Pharmaceutical/	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont Medicinal pro	water/acid rain ng acid (Except acid paint agent aining sample eparation					<ul> <li>O</li> <li>O</li> </ul>			<ul> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	0	0			<ul> <li>O</li> <li>O</li> </ul>		<ul> <li>○</li> </ul>	
reagent/ solvent	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont: Medicinal pro-	water/acid rain ng acid (Except acid paint agent aining sample eparation					<ul> <li>O</li> <li>O</li> </ul>	0	0	<ul> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	0	0	0		<ul> <li>O</li> <li>O</li> </ul>	0	<ul> <li>○</li> <li>○&lt;</li></ul>	
reagent/ solvent Pharmaceutical/ biological	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont Medicinal pre Enzyme solut	water/acid rain ng acid (Except acid paint agent aining sample eparation					<ul> <li></li> <li><td>0</td><td>0 •</td><td></td><td>0</td><td>0</td><td>0</td><td></td><td></td><td>() ()</td><td></td><td></td></li></ul>	0	0 •		0	0	0			() ()		
reagent/ solvent Pharmaceutical/ biological	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont Medicinal protein-cont Tris buffer	water/acid rain rg acid (Except acid paint agent aining sample eparation tion						0	0 •		0					() ()		
reagent/ solvent Pharmaceutical/ biological	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont Medicinal prr Enzyme solut Tris buffer Suspension Agar medium Jam	water/acid rain rg acid (Except acid paint agent aining sample eparation ion						0	0 •		0		0			() ()		
reagent/ solvent Pharmaceutical/ biological	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont Medicinal prr Enzyme solut Tris buffer Suspension Agar medium Jam	water/acid rain rg acid (Except acid paint agent aining sample eparation tion						0	0 •		0					() ()		
reagent/ solvent Pharmaceutical/ biological	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont Medicinal pro- Enzyme solu Tris buffer Suspension Agar medium Jam Meat/fish/Fr	water/acid rain rg acid (Except acid paint agent aining sample eparation ion							0 •				0 •			() ()		
reagent/ solvent Pharmaceutical/ biological sample	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont Medicinal pro- Enzyme solul Tris buffer Suspension Agar medium Jam Meat/fish/Fr Dough	water/acid rain g acid (Except acid paint agent aining sample eparation tion tion tiut/vegetable/						0	0 •				<ul> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>			() ()		
reagent/ solvent Pharmaceutical/ biological sample	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont Medicinal pro- Enzyme solut Tris buffer Suspension Agar medium Jam Meat/fish/Fr Dough Honey	water/acid rain g acid (Except acid paint agent aining sample eparation tion tion tiut/vegetable/							0 •		0		0 •			() ()		
reagent/ solvent Pharmaceutical/ biological sample	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont: Medicinal prr Enzyme solul Tris buffer Suspension Agar medium Jam Meat/fish/Fr Dough Honey Cheese/butte Yogurt Beer	water/acid rain rg acid (Except acid (Except acid acid paint agent aining sample aparation ion uit/vegetable/ ar ar							0 •				<ul> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>			() ()		
reagent/ solvent Pharmaceutical/ biological sample	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont: Medicinal prr Enzyme solul Tris buffer Suspension Agar medium Jam Meat/fish/Fr Dough Honey Cheese/butte Yogurt Beer	water/acid rain rg acid (Except acid (Except acid acid paint agent aining sample eparation ion iuit/vegetable/ r ated drink/juice/							0 •		0		<ul> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>			() ()		
reagent/ solvent Pharmaceutical/ biological sample Food Beverage/	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont Medicinal pro- Enzyme solut Tris buffer Suspension Agar medium Jam Meat/fish/Fr Dough Honey Cheese/butte Yogurt Beer Milk/Carbon	water/acid rain rg acid (Except acid (Except acid acid paint agent aining sample eparation ion iuit/vegetable/ r ated drink/juice/ uce							0 •		0					() ()		
reagent/ solvent Pharmaceutical/ biological sample Food Beverage/ seasoning	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont Medicinal prr Enzyme solut Tris buffer Suspension Agar medium Jam Meat/fish/Fr Dough Honey Cheese/butte Yogurt Beer Milk/Carbon sauce/son sa Mayonnaise/ Beauty cream	water/acid rain rg acid (Except acid paint agent aining sample eparation ion iuit/vegetable/ ar ated drink/juice/ uce ketchup y/mascara							0 •		0		<ul> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>			() ()		
reagent/ solvent Pharmaceutical/ biological sample Food Beverage/	Enviromental Caustic/stror HF sample) Hydrofluoric Surfactant Water-based Dye/coloring Protein-cont Medicinal prr Enzyme solut Tris buffer Suspension Agar medium Jam Meat/fish/Fr Dough Honey Cheese/butte Yogurt Beer Milk/Carbon sauce/son sa Mayonnaise/ Beauty cream	water/acid rain rg acid (Except acid paint agent aining sample eparation ion iuit/vegetable/ ar ated drink/juice/ uce							0 •		0					() ()		

			ISFET ELECTRODE
	LONG ToupH	FLAT	GENERAL
	9480-10C	6261-10C	0040-10D
	0-100	0-50	0-60
	8	12	16
	283	150	190
-			

۲

0

0

Ο

0

۲

0

0

 $\bigcirc$ 

0

Ο

0 0

۲

Ο

0

 $\bigcirc$ 

 $\bigcirc$ 

0

(surface)

(surface)

O (surface)

O (surface)

(surface)

۲

0

۲

۲

Stable measurement for a wide range of samples. Standard **ToupH** glass electrode (9615S-10D)

### 



High stability and drift reduction. No more worries about the timing of your measurement value readings.
 Uses responsive glass that is 10 times stronger than JIS standard. The domed shape provides strength in all directions, greatly reducing damage concerns.

Constructed with smooth surfaces for easy wiping and cleaning.

Recommended

Perfect for preparing buffers. Can be used on a wide range of aqueous test solutions.

Stable measurement for routine testing. Standard plastic electrode (9625-10D)



function to confirm stable responses. (We recommend washing with a neutral detergent after use with samples that contain oil.)

# Metallic Electrode (For ORP Measurement)

Model	Operating Temperature Range (°C)	Electrode Material	Internal Solution	Applications
ORP Electrode 9300-10D Waterproof platinum 3-in-1 type			#300	Watararaaf: Distinum on the flat tin allows
	0-60	Pt / Glass	(KCI)	Waterproof; Platinum on the flat tip allows measurement of small volume samples
3014046710         Overall length: 150 mm           Diameter of probe: 12 mm         Connectors: BNC & phono jack				

# Conductivity Cells (Submersible Type)

Model		Cell Constant	Measurement Range	Temp. Range (°C)	Cell Material	Thermistor	Minimum Sample Volume (ml)	Application
3551-10D	LADUN	0.1 cm <sup>-1</sup>	0.1 µS/cm - 10 mS/cm	0 - 60	Pt-Pt black /	Duilt in	50	Low conductivity
	Overall length: 175 mm Diameter of probe: 23 mm lectors: BNC & phono jack	10 m <sup>-1</sup>	10 µS/m - 1 S/m	0-00	Glass	Built-in	50	water (e.g., deionized, distilled)
3552-10D	Lana an	1 cm <sup>-1</sup>	1 µS/cm - 100 mS/cm	0 - 100	Pt-Pt black /	Built-in	15	General
	Overall length: 150 mm Diameter of probe: 12 mm tectors: BNC & phono jack	100 m <sup>-1</sup>	0.1 mS/m - 10 S/m	0 - 100	Glass	Duit-in	15	purpose use
3553-10D	LACKA MIL	10 cm <sup>-1</sup>	10 µS/cm - 1 S/cm	0 - 60	Pt-Pt black /	Built-in	50	High conductivity
3014081714 Conn	Overall length: 175 mm Width of probe: 28 mm rectors: BNC & phono jack	1000 m <sup>-1</sup>	1 mS/m - 100 S/m	0-00	Glass	Duiit-in	50	water
9382-10D		1 cm <sup>-1</sup>	1 µS/cm - 100 mS/cm	0 - 80	Ti-Pt black /	Built-in	20-30	General
	Overall length: 150 mm Diameter of probe: 16 mm ectors: BNC & phono jack	100 m <sup>-1</sup>	0.1 mS/m - 10 S/m	0 - 60	Plastic	Duiit-in	20-30	purpose use; Waterproof

# Conductivity Cells (Flow Type)

	Model	Cell Constant	Measurement Range	Temp. Range (°C)	Cell Material	Thermistor	Minimum Sample Volume (ml)	Application
3561-10D	1	0.1 cm <sup>-1</sup>	0.1 µS/cm - 10 mS/cm	0 - 60	Pt-Pt black /	Built-in	10	Low conductivity water (e.g.,
3014082350	Overall length: 143 mm Diameter of probe: 18 mm Connectors: BNC & phono jack	10 m <sup>-1</sup>	10 µS/m - 1 S/m	0 - 00	Glass	Built-In	10	deionized, distilled)
3562-10D		1 cm <sup>-1</sup>	1 µS/cm - 100 mS/cm	0 - 60	Pt-Pt black /	Built-in	16	General purpose
3014082350	Overall length: 205 mm Diameter of probe: 18 mm Connectors: BNC & phono jack	100 m <sup>-1</sup>	0.1 mS/m - 10 S/m	0 - 60	Glass	Bullt-In	10	use
3573-10C	1	10 cm <sup>-1</sup>	10 µS/cm - 1 S/cm	0 - 60	Pt-Pt black /		4	High
3014082590	Overall length: 222 mm Diameter of probe: 18 mm Connector: BNC	1000 m <sup>-1</sup>	1 mS/m - 100 S/m	0 - 00	Glass		4	conductivity water
3574-10C		10 cm <sup>-1</sup>	10 µS/cm - 100 mS/cm	0 - 60	Pt-Pt black /		0.05	Small volume sample (e.g.,
3014082592	Overall length: 136 mm Diameter of probe: 66 mm Connector: BNC	1000 m <sup>-1</sup>	2 Overall length: 136 mm Diameter of probe: 66 mm		Glass		0.25	column chroma- tography)

LAQUA | 19



**pH Buffer Solution Kits** 

501-S NIST pH Buffer Solution Kit



502-S USA pH Buffer Solution Kit



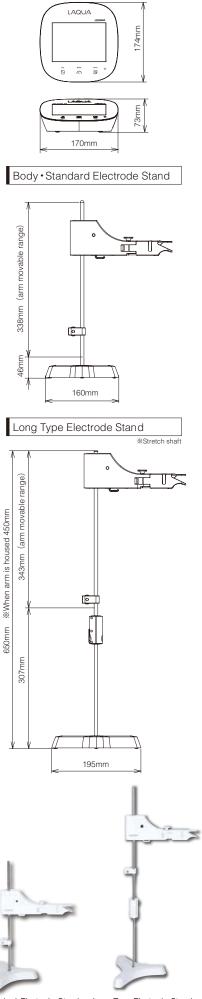
503-S Conductivity Standard Solution Kit





Code Part No. Description Volume NIST pH Buffer Solution Kit 501-S 3999960015 250ml each (pH 4.01, 6.86, 9.18 buffers & 3.33M KCl) USA pH Buffer Solution Kit 502-S 3999960016 250ml each (pH 4.01, 7.00, 10.01 buffers & 3.33M KCI ) pH Buffer Solutions Code Part No. Description Volume 500-2 3999960028 pH 1.68 Buffer Solution at 25°C 500ml 500-4 3999960029 pH 4.01 Buffer Solution at 25°C 500ml 500-686 3999960030 pH 6.86 Buffer Solution at 25°C 500ml 500-7 pH 7.00 Buffer Solution at 25°C 500ml 3999960031 500-9 3999960032 500ml pH 9.18 Buffer Solution at 25°C 500-10 3999960033 pH 10.01 Buffer Solution at 25°C 500ml 500-12 3999960034 pH 12.46 Buffer Solution at 25°C 500ml **Conductivity Standard Solution Kit** Code Part No. Description Volume Conductivity Standard Solution Kit 503-S 3999960017 250ml each (84µS/cm, 1413µS/cm, 12.88mS/cm & 111.8mS/cm) **Conductivity Standard Solutions** Code Part No. Description Volume 500-21 3999960035 84 µS/cm Conductivity Standard Solution 500ml 500-22 3999960036 1413 µS/cm Conductivity Standard Solution 500ml 500-23 3999960037 12.88 mS/cm Conductivity Standard Solution 500ml 3999960038 500-24 111.8 mS/cm Conductivity Standard Solution 500ml **ORP** Powders Code Part No. Description Volume 160-51 3200043618 89 mV at 25°C (for 250ml solution) 10 sachets/pack 3200043617 258 mV at 25°C (for 250ml solution) 160-22 10 sachets/pack pH/ORP Electrode Filling Solutions Part No. Volume Code Description 3999960023 525-3 3.33M KCI 250ml 300 3200043640 3.33M KCI 250ml pH Electrode Cleaning Solutions Code Part No. Description Volume For removing inorganic residues from glass 3014028653 220 1 2 x 50ml membrane and liquid junction For removing inorganic and organic residues from 230 3200530494 30ml & 100ml glass membrane (30ml Solution A & 100ml Solution B) For removing protein residues from glass 250 3200366771 400ml membrane and liquid junction

Accessories		
Code	Part No.	Description
LAQUA-SW-21CFR11	3200707161	21 CFR Part 11 Software includes CD with PIN code, USB cable, and manual
Printer Printer	3014030147 (230v) 3014030146 (120v)	Printer (for GLP/GMP compliance) Cable sold separately, Plain paper
cable	3014030148	Printer cable (1.5 m)
Ink Printer	3014030149	Printer paper (20 rolls)
ribbon paper	3014030150	Ink ribbon (5 pcs/set)
Universal AC adapter	3200647413	Multi-Voltage (100-240V) with 6 plugs, (US, UK, EU, ANZ, Korea and China) 1.8 m cable
686. 686.	3014028368	Digital simulator X-51 (pH, mV, Ion, DO, tempera- ture simulator)
X-51 X-52	3014028370	Digital simulator X-52 (Conductivity, temperature simulator)
$\bigcirc \bigcirc$	3200382462	LCD protection sheet (2 pcs/pack)
LCD Protection protection cover sheet	3200382441	Protection cover (Protects the meter for F-70, DS- 70, 1000 series)
	3200373941	USB cable (to connect meter and PC.)
$\bigcirc$	3014030152	Analog cable (Analog (alarm) output cable)
USB Serial cable cable	3014030151	Serial cable (to connect meter and PC (Serial, 9 pins))
FA-70S	3200382557	Adjustable, free-standing electrode stand (Height: 384 mm) <i>image on the right</i>
FA-70L	3200382560	Long, free-standing electrode stand (Height: 450- 650mm) <i>image on the right</i>
- 1-12	3200373991	Arm for electrode stand FA-70A, FA-70S, & FA-70L
	3200373961	Electrode holders, 2pcs (for mounting electrode with round cap on electrode stand arm)
()	3200382477	Electrode protection caps, 3pcs (for 9615S-10D, 9618S-10D, 9681S-10D pH electrode)
	3200043508	Electrode protection caps, 5pcs (for 9621-10D, 9625-10D, 9630-10D, 9631-10D, 9632-10D, 6367- 10D, 6377-10D, 6252-10D, 6261-10C, 1066A-10C, 1076-10C, 2060-10T, 9300-10D, 9382-10D, 3552- 10D pH electrode)
`	3200382482	Electrode protection cap for long electrode (for 9680S-10D, 9480-10C pH Electrode)



Standard Electrode Stand FA-70S (384mm) Long Type Electrod e Stand FA-70L (450~650m m)

### 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.







#### **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 shock-resistant 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.



#### **Pocket Meters**

Analyzing water quality is simplified when using our LAQUAtwin range of meters. Designed to produce accurate and reliable results. Anyone, anywhere, at any time can measure samples easily with a LAQUAtwin meter. See just how good they are at our website.

ᅝ



#### **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.















The contents of this catalog are subject to change without prior notice, and without any subsequent liability to this company.

- The color of the actual products may differ from the color pictured in this catalog due to printing limitations
- It is strictly forbidden to copy the content of this catalog in part or in full.
- All brand names, product names and service names in this catalog are trademarks or registered trademarks of their respective companies.
- Windows is a registered trademark of Microsoft Corporation in the United States and other countries

### 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: laqua@horiba.com www.horiba-laqua.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



Brochure HBTC-05-2017B

HORIBA