

# sensION™+ METERS & PROBES

## Applications

- Drinking Water
- Wastewater
- Beverage
- Field Use
- Food QC Lab
- Industrial Water
- Power



**Hach sensION+, an all-in-one system with guided menu navigation makes general electrochemistry testing fast and simple. Each system comes complete with everything you need to start testing.**

## sensION+ Benchtop Meters

Each system is designed to be used in a wide variety of applications and comes complete with everything you need to start testing.

## sensION+ Portable Meters

sensION+ Field Kits work as complete mobile measurement stations with ergonomic, lightweight design and IP67 protection. Screw-on calibration tubes simplify on-site calibration and minimize consumption of standard solutions.

## sensION+ Portable Data Logger Meters

Hach sensION+ Data Logger, an all-in-one system, now making testing AND DATA MANAGEMENT fast and simple. Interval measurements, 500 data point memory and wireless data transfer to your PC with one click. Data management as fast and simple as it can be.



Be Right™

## sensION+ Portable Meters & Portable Data Logger Meters



<b>Parameter</b>	<b>PH1/PH1DL BASIC PORTABLE pH METER</b>	<b>MM110/MM110DL PORTABLE MULTI-METER</b>	<b>EC5/EC5DL PORTABLE CONDUCTIVITY METER</b>	<b>DO6/DO6 DL PORTABLE DISSOLVED OXYGEN METER</b>	<b>MM150/MM150DL PORTABLE MULTI-METER</b>	<b>MM156 PORTABLE MULTI-METER</b>
Temperature	■	■	■	■	■	■
pH	■	■			■	■
mV						■
Conductivity			■		■	■
Salinity			■		■	■
TDS			■		■	■
Dissolved Oxygen				■		■
ORP/Redox	■	■			■	

<b>Specifications</b>	<b>PH1/PH1DL BASIC PORTABLE pH METER</b>	<b>MM110/MM110DL PORTABLE MULTI-METER</b>	<b>EC5/EC5DL PORTABLE CONDUCTIVITY METER</b>	<b>DO6/DO6 DL PORTABLE DISSOLVED OXYGEN METER</b>	<b>MM150/MM150DL PORTABLE MULTI-METER</b>	<b>MM156 PORTABLE MULTI-METER</b>
IP Rating	IP67	IP67	IP67	IP67	IP67	IP67
Resolution	0.01 pH 0.1 mV (±199.9 mV range)	0.01 pH 1 mV	EC: 0.01 µS/cm - 1 mS/cm TDS: 1mg/L - 1g/L depending on range	0.01 mg/L	pH: 0.01 ORP: 1 mV EC: 0.01 µS/cm - 1 mS/cm depending on range	pH: 0.01 EC: 0.01 µS/cm - 1mS/cm depending on range DO: 0.01 mg/L - 0.1 mg/L, 0.1% - 1% depending on range
Inputs	MP-5	MP-8	MP-5	MP-5	MP-8	MP-8
Interface Languages	Icon based, no language needed	Icon based, no language needed	Icon based, no language needed	Icon based, no language needed	Icon based, no language needed	Icon based, no language needed
Warranty	2 years	2 years	2 years	2 years	2 years	2 years
Compliance	CE.WEEE	CE.WEEE	CE.WEEE	CE.WEEE	CE.WEEE	CE.WEEE
Measurement Method	Auto stabilization, manual	Auto stabilization, manual	Auto stabilization, manual	Auto stabilization, manual	Auto stabilization, manual	Auto stabilization, manual
Backlight	■	■	■	■	■	■
Battery Requirements	3 x AA	3 x AA	3 x AA	3 x AA	3 x AA	3 x AA
<b>Prod. No. Standard Meter</b>	<b>LPV2500.97.0002</b>	<b>LPV2600.97.0002</b>	<b>LPV3500.97.0002</b>	<b>LPV4500.97.0002</b>	<b>LPV4000.97.0002</b>	<b>LPV4030.97.0002</b>
<b>Additional Specifications Data Logger Meters</b>						
Internal Data Storage	500 results	500 results	500 results	500 results	500 results	—
Outputs	Wireless to USB	Wireless to USB	Wireless to USB	Wireless to USB	Wireless to USB	—
Measurement Method	Interval, auto stabilization, manual	Interval, auto stabilization, manual	Interval, auto stabilization, manual	Interval, auto stabilization, manual	Interval, auto stabilization, manual	—
Compliance	RTTE directive see NB opinion statement; FCC approval	RTTE directive see NB opinion statement; FCC approval	RTTE directive see NB opinion statement; FCC approval	RTTE directive see NB opinion statement; FCC approval	RTTE directive see NB opinion statement; FCC approval	—
PC Data Transfer Software	Included	Included	Included	Included	Included	—
<b>Prod. No. Data Logger Meter</b>	<b>LPV2500DL.97.02</b>	<b>LPV2600DL.97.02</b>	<b>LPV3500DL.97.02</b>	<b>LPV4500DL.97.02</b>	<b>LPV4000DL.97.02</b>	—

# sensION+ Benchtop Meters



<b>Parameter</b>	<b>PH3 BASIC BENCHTOP pH METER</b>	<b>PH31 GLP BENCHTOP pH METER</b>	<b>EC7 BENCHTOP CONDUCTIVITY METER</b>	<b>EC71 GLP BENCHTOP CONDUCTIVITY METER</b>	<b>MM340 BENCHTOP METER</b>	<b>MM374 BENCHTOP MULTI-METER</b>	<b>MM378 BENCHTOP MULTI-METER</b>
Temperature	■	■	■	■	■	■	■
pH	■	■			■	■	■
mV	■	■			■	■	■
Conductivity			■	■		■	■
Salinity			■	■		■	■
TDS				■		■	■
Dissolved Oxygen							■
ORP/Redox	■	■			■	■	■
Ammonia					■	■	■
Nitrate					■	■	■
Fluoride					■	■	■
Sodium					■	■	■
Chloride					■	■	■
Ammonium					■	■	■

<b>Specifications</b>	<b>PH3 BASIC BENCHTOP pH METER</b>	<b>PH31 GLP BENCHTOP pH METER</b>	<b>EC7 BENCHTOP CONDUCTIVITY METER</b>	<b>EC71 GLP BENCHTOP CONDUCTIVITY METER</b>	<b>MM340 BENCHTOP METER</b>	<b>MM374 BENCHTOP MULTI-METER</b>	<b>MM378 BENCHTOP MULTI-METER</b>
Internal Data Storage	—	330	—	400	330	330	330 results
Resolution	pH: 0.01 ORP: 1 mV	pH: 0.001 ORP: 0.1 mV	EC: 0.01 µS/cm - 1 mS/cm depending on range Salinity: depending on range	EC: 0.01 µS/cm - 1 mS/cm depending on range TDS: 1 mg/L - 1 g/L Salinity: depending on range	pH: 0.001 ORP 0.1 mV	pH: 0.001 pH ORP: 0.1 mV EC: 0.01 µS/cm - 1 mS/cm depending on range TDS: 1 mg/L - 1 g/L Salinity: depending on range	pH: 0.001 pH ORP: 0.1 mV EC: 0.01 S/cm - 1 mS/cm depending on range TDS: 1 mg/L - 1 g/L DO: 0.01 mg/L - 0.1 mg/L, 0.1% - 1% depending on range
Inputs	BNC, ref, Pt1000	BNC, ref, Pt1000	EC cell, Pt1000	EC cell, Pt1000	2 BNC, 2 ref, Pt1000	2 BNC, 2 ref, 1 EC	1 BNC pH/ORP /ISE, 1 ref., 1 BNC DO, 1 EC
Outputs		RS232* (two-way), serial to USB adapter		RS232* (two-way), serial to USB adapter	RS-232* (two-way)	RS232* (two-way), serial to USB adapter	RS232* (two-way)
Interface Languages	6**	6**	6**	6**	6**	6**	6**
Warranty	2 years	2 years	2 years	2 years	2 years	2 years	2 years
Compliance	CE.WEEE	CE.WEEE	CE.WEEE	CE.WEEE	CE.WEEE	CE.WEEE	CE.WEEE
GLP Features	—	■	—	■	■	■	■
PC Data Transfer Software	—	Optional	—	Optional	Optional	Optional	Optional
Backlight	■	■	■	■	■	■	■
AC Operation	■	■	■	■	■	■	■
<b>Prod. No.</b>	<b>LPV2000.97.0002</b>	<b>LPV2100.97.0002</b>	<b>LPV3010.97.0002</b>	<b>LPV3110.97.0002</b>	<b>LPV2200.97.0002</b>	<b>LPV4110.97.0002</b>	<b>LPV4130.97.0002</b>

All sensION+ Benchtop work stations include an integrated magnetic stirrer, electrode holder, calibration standards and beakers. Please refer to the kit overview (page 7) for systems including electrodes.

\*USB compatibility with optional adapter. \*\*English, German, Spanish, French, Italian, and Portuguese

## sensION+ Probes for Portable Meters



Specifications	pH Combination Gel-filled	pH Combination Solid Gel Wastewater	pH Combination Low Conductivity High Temperature	ORP / Redox Combination Gel-filled	Dissolved Oxygen Polarographic
Special Feature		With Working Protector. Solid gel for high solids content.	With Working Protector. For low ionic strength and/or high temperature.		
Range	0 to 14 pH	2 to 14 pH	0 to 14 pH	± 2000 mV	0.03 mg/L to saturation
Accuracy	0.02 pH with pH1 Meter	0.02 pH with pH1 Meter	0.02 pH with pH1 Meter	1 mV with pH1 Meter	±0.5 mg/L
Temperature Range	0 to 80 °C	0 to 80 °C	0 to 100 °C	0 to 80 °C	0 to 50 °C
Thermistor	Pt1000	Pt1000	Pt1000	-	Integrated 30kohm NTC
Dimensions (D x L)	0.47 in x 3.35 in (12 mm x 85 mm)	0.47 in x 3.35 in (12 mm x 85 mm)	0.47 in x 3.35 in (12 mm x 85 mm)	0.47 in x 3.35 in (12 mm x 85 mm)	0.47 in x 4.72 in (12 mm x 120 mm)
Sensor Type	Glass	Glass	Glass	Platinum annular ring	Replaceable PTFE membrane; Pt cathode; Ag anode
Junction	Ceramic pin	Open	Porous annular PTFE	Ceramic pin	-
Material	Sensor Body: Polycarbonate	Sensor Body: Glass	Sensor Body: Glass	Sensor Body: Polycarbonate	Probe body: ABS & Delrin (nylon)
Filling Solution	Non-refillable gel	Non-refillable solid polymer	Non-refillable gel	Non-refillable gel	2759123
Article number	LZW5050T.97.002	LZW5051T.97.002	LZW5052T.97.002	LZW5055.97.0002	LZW5130.97.0002



Specifications	Conductivity	Conductivity	Multi Combination**	Multi Combination*	Multi Combination**	Multi Combination***
Special Feature		For harsh samples	pH, Conductivity, ORP	pH, ORP	pH, Conductivity	pH, Conductivity, DO Multi handle with 3 exchangeable sensor heads
Range	0.2 µS/cm to 200 mS/cm	5 µS/cm to 50 mS/cm	pH: 0 to 14 pH Conductivity: 20 µS/cm to 200 mS/cm ORP: ± 2000 mV	pH: 0 to 14 pH  ORP: ± mV	pH: 0 to 14 pH Conductivity: 20 µS/cm to 200 mS/cm	pH: 0 to 14 Conductivity: 5 µS/cm to 30 ms/cm DO: 0.03 mg/L to saturation
Accuracy	0.50% with EC5 Meter	0.50% with EC5 Meter	0.02 pH with MM150 Meter 1 mV with MM150 Meter 0.50% EC with MM150 Meter	0.02 pH with MM110 Meter 1mV with MM110 Meter	0.02 pH with MM150 Meter 0.50% EC with MM150 Meter	0.02 pH 0.50% EC ±0.5 mg/L DO with MM156 Meter
Temperature Range	0 - 80 °C	0 to 80 °C	0 to 80 °C	0 to 80 °C	0 to 80 °C	0 to 50 °C
Thermistor	Pt1000	Pt1000	Pt1000	Pt1000	Pt1000	30 kohm NTC, integrated in EC cell
Dimensions (D x L)	0.47 in x 3.35 in (12 mm x 85 mm)	0.47 in x 3.35 in (12 mm x 85 mm)	0.47 in x 3.35 in (12 mm x 85 mm)	0.47 in x 3.35 in (12 mm x 85 mm)	0.47 in x 3.35 in (12 mm x 85 mm)	total: 1.57 in x 6.69 in (40 mm x 170 mm) individual sensors: 0.47 in (12 mm)
Sensor Type	3-pole Platinum, k = 1.0 cm <sup>-1</sup>	2-pole Titanium, k = 0.3 cm <sup>-1</sup>	pH: Glass ORP: Platinum Conductivity: Platinum	pH: Glass ORP: Platinum	pH: Glass Conductivity: Platinum	pH: glass Conductivity: Platinum DO: replaceable membrane
Junction			Ceramic	Ceramic	Ceramic	Porous pin
Material	Sensor Body: Outside: Polycarbonate; Inside: Glass	Sensor Body: Titanium	Sensor Body: Polycarbonate	Sensor Body: Polycarbonate	Sensor Body: Polycarbonate	Sensor Body: Polycarbonate
Filling Solution	-	-	Non-refillable gel	Non-refillable gel	Non-refillable gel	pH: Non-refillable gel DO: 2759123
Prod. No.	LZW5060.97.0002	LZW5062.97.0002	LZW5048.97.0002	LZW5045.97.0002	LZW5059.97.0002	LZW5049.97.0002

## sensION+ Probes for Benchtop Meters



<b>Specifications</b>	<b>pH Combination Gel-filled</b>	<b>pH Combination Refillable</b>	<b>pH Combination Gel-filled Wastewater</b>	<b>pH Combination Refillable</b>
Special Feature		TRIS compatible	Solid gel for high solids content	Clog-free Sleeve Junction for low ionic strength.
Range	0 to 14 pH	0 to 14 pH	2 to 14 pH	0 to 14 pH
Accuracy	0.02 pH with pH3 Meter 0.002 pH with pH31 Meter 0.002 pH with MM340 Meter 0.002 pH with MM374 Meter	0.02 pH with pH3 Meter 0.002 pH with pH31 Meter 0.002 pH with MM340 Meter 0.002 pH with MM374 Meter	0.02 pH with pH3 Meter 0.002 pH with pH31 Meter 0.002 pH with MM340 Meter 0.002 pH with MM374 Meter	0.02 pH with pH3 Meter 0.002 pH with pH31 Meter 0.002 pH with MM340 Meter 0.002 pH with MM374 Meter
Temperature Range	0 to 80 °C	-10 to 100 °C	0 to 80 °C	0 to 60 °C
Thermistor	Pt1000	Pt1000	Pt1000	Pt1000
Dimensions (D x L)	0.47 in x 5.12 in (12 mm x 130 mm)	0.47 in x 5.12 in (12 mm x 130 mm)	0.47 in x 5.12 in (12 mm x 130 mm)	0.47 in x 5.12 in (12 mm x 130 mm)
Sensor Type	Glass	Glass	Glass	Glass
Junction	Ceramic pin	2 x Ceramic pin	Open	Open with sleeve
Material	Sensor Body: Polycarbonate	Sensor Body: Glass	Sensor Body: Glass	Sensor Body: Glass
Filling Solution	Non-refillable gel	LZW9500.99	Non-refillable solid polymer	LZW9500.99
<b>Prod. No.</b>	<b>LZW5010T.97.002</b>	<b>LZW5014T.97.002</b>	<b>LZW5011T.97.002</b>	<b>LZW5021T.97.002</b>



<b>Specifications</b>	<b>Conductivity</b>	<b>ORP Gel-filled Combination</b>	<b>ORP Refillable Combination</b>	<b>Dissolved Oxygen Polarographic</b>
Special Feature				
Range	0.2 µS/cm to 200 mS/cm	± 2000 mV	± 2000 mV	0.03 mg/L to saturation
Accuracy	0.50% EC & TDS	1mV with pH3 Meter 0.2mV with pH31 Meter 0.2mV with MM340 Meter 0.2mV with MM374 Meter	1mV with pH3 Meter 0.2mV with pH31 Meter 0.2mV with MM340 Meter 0.2mV with MM374 Meter	±0.5 mg/L
Temperature Range	0 to 80 °C	0 to 80 °C	0 to 80 °C	0 to 50 °C
Thermistor	Pt1000	—	—	Integrated 30 kohm NTC
Dimensions (D x L)	0.47 in x 5.12 in (12 mm x 130 mm)	0.47 in x 5.12 in (12 mm x 130 mm)	0.47 in x 5.12 in (12 mm x 130 mm)	0.47 in x 4.72 in (12 mm x 120 mm)
Sensor Type	3-pole Platinum, k = 0.7 cm <sup>-1</sup>	Platinum	Platinum	Replaceable PTFE membrane; Pt cathode, Ag anode
Junction	—	Ceramic pin	Ceramic pin	—
Material	Sensor Body: Outside: Polycarbonate; Inside: Glass	Sensor Body: Glass	Sensor Body: Glass	Probe body: ABS & Delrin (nylon)
Filling Solution	—	Non-refillable gel	LZW9500.99	2759123
<b>Prod. No.</b>	<b>LZW5070.97.0002</b>	<b>LZW5056.97.0002</b>	<b>LZW5057.97.0002</b>	<b>LZW5131.97.0002</b>

## sensION+ ISE Probes



Specifications	Sodium ISE	Chloride Combination ISE	Fluoride Combination ISE	Nitrate Combination ISE
Special Feature		Combination electrode Maintenance free: No electrolyte or spare membranes needed	Combination electrode Maintenance free: No electrolyte or spare membranes needed	Combination electrode Maintenance free: No electrolyte or spare membranes needed
Ranges	0.05 - 23,000 mg/L Na <sup>+</sup>	0.1 mg/L to 35,500 mg/L Cl <sup>-</sup>	0.01 mg/L to 19,000 mg/L F <sup>-</sup>	0.1 mg/L to 14,000 mg/L NO <sub>3</sub> <sup>-</sup>
Accuracy	±0.02 mV or 0.05%, whichever is greater (application dependent)	±0.02 mV or 0.05%, whichever is greater (application dependent)	±0.02 mV or 0.05%, whichever is greater (application dependent)	±0.02 mV or 0.05%, whichever is greater (application dependent)
Temperature Range	0 to 60 °C	5 to 50 °C	5 to 50 °C	0 to 50 °C
Dimensions (D x L)	0.47 in x 4.72 in (12 mm x 120 mm)	0.47 in x 4.72 in (12 mm x 120 mm)	0.47 in x 4.72 in (12 mm x 120 mm)	0.47 in x 4.72 in (12 mm x 120 mm)
Sensor Type	Sodium Selective Glass Membrane	Solid-state crystal membrane	Solid-state crystal membrane	Solid-state PVC membrane
Junction	—	Porous PTFE Annular Ring	Porous PTFE Annular Ring	Porous PTFE Annular Ring
Material	Sensor Body: Glass	Sensor Body: Epoxy	Sensor Body: Epoxy	Sensor Body: Epoxy
Filling Solution	—	Non-refillable driTEK gel	Non-refillable driTEK gel	Non-refillable driTEK gel
ISA Required	4451569	2318069	258999	2984799
Prod. No.	LZW9650.97.0002*	LZW9652C.97.002	LZW9655C.97.002	LZW9662C.97.002



Specifications	Ammonium Combination ISE	Ammonia Combination ISE	Reference Electrode
Special Feature	Combination electrode Maintenance free: No electrolyte or spare membranes needed	Gas Sensing Electrode	Double junction reference electrode for ISEs, large ceramic diaphragm
Ranges	0.018 mg/L to 9,000 mg/L NH <sub>4</sub> <sup>+</sup>	0.06 mg/L to 17,000 mg/L NH <sub>3</sub>	—
Accuracy	±0.02 mV or 0.05%, whichever is greater (application dependent)	—	—
Temperature Range	5 to 50 °C	0 to 50 °C	0 to 60 °C
Dimensions (D x L)	0.47 in x 4.72 in (12 mm x 120 mm)	0.47 in x 5.87 in (12 mm x 149 mm)	0.47 in x 4.72 in (12 mm x 120 mm)
Sensor Type	Solid-state PVC membrane	Gas sensing: glass w/ replaceable NH <sub>3</sub> sensitive membrane	—
Junction	Porous PTFE Annular Ring	Porous PTFE Annular Ring	Ceramic
Material	Sensor Body: Epoxy	Sensor Body: ABS	Sensor Body: Glass
Filling Solution	Non-refillable driTEK gel	4447226	LZW9901.00
ISA Required	2980699	4447169	—
Prod. No.	LZW9663C.97.002*	5192700	LZW5044.97.0002

\*The ISE electrodes are indicator and require a reference electrode.

## Ordering Information

### sensION+ Benchtop Meter & Probe Kits

Choose from basic kits or advanced kits for your lab testing needs. All benchtop kits include: workstation with integrated stirrer, buffers, standards, storage solutions, calibration flasks, and accessories for quick start up.

**LPV2010T.97.002 Basic pH (general) Benchtop Kit**

sensION+ PH3 meter with universal 5010T pH and temperature electrode. For general aqueous applications.

**LPV2011T.97.002 Advanced pH (dirty samples) Benchtop Kit**

sensION+ PH3 meter with open junction 5011T pH and temperature electrode. For high solid content and/or viscous media samples.

**LPV2014T.97.002 Advanced pH (high performance) Benchtop Kit**

sensION+ PH3 meter with dual junction 5014T pH and temperature electrode. For sulfurs, reducing sugars or media that reacts with Ag+ ions.

**LPV2021T.97.002 Advanced pH (difficult samples) Benchtop Kit**

sensION+ PH3 meter with clog-free 5021T pH and temperature electrode. For low ionic strength, colloidal, emulsions and cream samples.

**LPV2111T.97.002 Advanced pH (general) Benchtop Kit**

sensION+ PH31 GLP meter with open junction 5011T pH and temperature electrode. For high solid content and/or viscous media samples.

**LPV3070.97.0002 Basic Conductivity Benchtop Kit**

sensION+ EC7 meter with universal 5070 conductivity and temperature cell. For general aqueous applications.

**LPV3170.97.0002 Advanced Conductivity Benchtop Kit**

sensION+ EC71 GLP meter with universal 5070 conductivity and temperature cell. For general aqueous applications.

**LPV4140.97.0002 Advanced pH (high performance) & Conductivity Benchtop Kit**

sensION+ MM374 pH, conductivity & ISE GLP meter with dual junction 5014 pH and universal 5070 conductivity with temperature cell.

**LPV4160.97.0002 Advanced pH, Conductivity and Dissolved Oxygen Benchtop Kit**

sensION+ MM378 pH, conductivity & DO GLP meter with dual junction 5014 pH, universal 5070 conductivity cell with temperature and 5131 DO electrode.

**For the full line of kits and sensION+ accessories, visit: [hach.com/meterselect](http://hach.com/meterselect)**

### SensION+ Field Kits

Specialized field carrying case acts as a portable laboratory. All field kits include meter, sensor, field carrying case, buffers, standards, storage solutions, calibration tubes with screw caps, and accessories for quick start up.

**LPV2550T.97.002 Basic pH (general) Field Kit**

**LPV2550TDL.97.2 Basic pH Data Logger Field Kit**  
sensION+ PH1 meter with universal 5050T pH and temperature electrode. For general aqueous applications.

**LPV2551T.97.002 Advanced pH (dirty samples) Field Kit**

**LPV2551TDL.97.2 Advanced pH (dirty samples) Data Logger Field Kit**  
sensION+ PH1 meter with open junction 5051T pH and temperature electrode. For high solid content and/or viscous media samples.

**LPV2552T.97.002 Advanced pH (difficult samples) Field Kit**

**LPV2552TDL.97.2 Advanced pH (difficult samples) Data Logger Field Kit**  
sensION+ PH1 meter with high contact 5052T pH and temperature electrode. For low ionic strength, colloidal, emulsions and cream samples.

**LPV2555.97.0002 Basic ORP Field Kit**

**LPV2555DL.97.02 Basic ORP Data Logger Field Kit**  
sensION+ PH1 meter with 5055 ORP electrode. For chemical waste treatment, galvanic baths and general aqueous applications.

**LPV3560.97.0002 Basic Conductivity Field Kit**

**LPV3560DL.97.02 Basic Conductivity Data Logger Field Kit**  
sensION+ EC5 meter with universal 5060 conductivity and temperature cell. For general aqueous applications.

**LPV3562.97.0002 Advanced Conductivity Field Kit**

**LPV3562DL.97.02 Advanced Conductivity Data Logger Field Kit**  
sensION+ EC5 meter with robust, Titanium 5062 conductivity and temperature cell. For difficult media applications.

**LPV4551.97.0002 Basic Dissolved Oxygen Field Kit**

**LPV4552DL.97.02 Basic Dissolved Oxygen Data Logger Field Kit**  
sensION+ DO6 meter with robust, polarographic 5130 DO and temperature probe. For general aqueous applications.

**LPV4552.97.0002 Advanced pH & ORP Multi-sensor Field Kit**

**LPV2645DL.97.02 Advanced pH & ORP Multi-sensor Data Logger Field Kit**  
sensION+ MM110 meter with 5045 pH, ORP and temperature multi-sensor. For general aqueous applications.

**LPV4048.97.0002 Advanced pH, Conductivity & ORP Multi-sensor Field Kit**

**LPV4048DL.97.02 Advanced pH, Conductivity & ORP Multi-sensor Data Logger Field Kit**

sensION+ MM150 meter with 5048 pH, conductivity, ORP and temperature multi-sensor. For wastewater treatment and general aqueous applications.

**LPV4059.97.0002 Advanced pH & Conductivity Multi-sensor Field Kit**

**LPV4059DL.97.02 Advanced pH & Conductivity Multi-sensor Data Logger Field Kit**

sensION+ MM150 meter with 5059PT pH, conductivity and temperature multi-sensor. For agriculture and general aqueous applications.

**LPV4049.97.0002 Advanced pH, Conductivity & Dissolved Oxygen Multi-sensor Field Kit**

sensION+ MM156 meter with 5049 pH, conductivity, DO and temperature multi-sensor. Unique multi handle sensor with exchangeable sensor tips – saving time and money.

*Continued on next page.*

## Ordering Information *Continued*

### sensION+ Accessories & Standards

#### Accessories for sensION+ Portable Instruments and Electrodes

<b>LZW9137.97</b>	3x10mL printed tubes for portable pH calibration
<b>LZW9138.99</b>	3x10mL printed tubes for portable conductivity calibration
<b>LZW9161.99</b>	Electrode Storage Protector, Polypropylene
<b>LZW9162.99</b>	Electrode Measurement Protector, Polypropylene
<b>LZW5123.99</b>	Protector-calibration flask for DO probe LZW5130
<b>5196800</b>	Service Kit for 5130 DO Probe (contains 2 Membrane Modules and DO Filling Solution)

#### Accessories for sensION+ Benchtop Instruments and Electrodes

<b>LZW8204.99</b>	KyoMouse RS - Thermal printer for sensION+
<b>LZW8206.99</b>	Thermal Paper for KyoMouse RS printer, 5 rolls
<b>LZW8997.99</b>	LabCom Easy PC Software for sensION+ GLP instruments
<b>LZW8999.99</b>	LabCom PC Software for sensION+ GLP instruments
<b>LZW9008.99</b>	Power Supply for sensION+ Benchtop instruments, 230-115VAC
<b>LZW9110.97</b>	3x50 mL printed flasks for pH calibration, Benchtop instruments
<b>LZW9111.99</b>	3x50 mL printed flasks for benchtop conductivity calibration
<b>LZW9118.99</b>	Pyrex glass chamber, continuous flow measurements
<b>LZW9321.99</b>	Three-probe holder, for sensION+ Benchtop instruments
<b>LZW9325.99</b>	Radiometer probe holder for sensION+ Benchtop instruments

#### Standards

<b>LZW9463.99</b>	pH standard solution 4.01, 250mL
<b>LZW9464.97</b>	pH standard solution 7.00, 250mL
<b>LZW9471.99</b>	pH standard solution 10.00, 250mL
<b>LZW9700.99</b>	Conductivity standard 147 $\mu$ S/cm, 250mL
<b>LZW9710.99</b>	Conductivity standard 1413 $\mu$ S/cm, 250mL
<b>LZW9720.99</b>	Conductivity standard 12.88 mS/cm, 250mL



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