

# WATER & SOIL ANALYSIS KITS

## PARAMETERS

	59	60	61	62
pH	✓	✓	✓	✓
Cond.	✓	✓	✓	✓
TDS	✓	✓	✓	✓
DO	✓	✓	✓	
mV (ORP)	✓		✓	✓
Salinity	✓	✓	✓	
Turbidity		✓		
Temp.	✓	✓	✓	✓

59



60



62



61



# SPECIFICATIONS

Model	LH- 59	LH- 60	LH- 61	LH- 62
Product	µP Water & Soil Analysis Kit	Water & Soil Analysis Kit	Water & Soil Analysis Kit	Water & Soil Analysis Kit
Display	16 x 2 Characters LCD Display	3 ½ Digit LCD	3 ½ Digit LCD	3 ½ Digit LCD
<b>pH</b>				
Range	0 to 14 pH	0 to 14 pH	0 to 14 pH	0 to 14 pH
Resolution	0.01 pH	0.01 pH	0.01 pH	0.01 pH
Accuracy	0.01 ± 1 Digit	0.01 ± 1 Digit	0.01 ± 1 Digit	0.01 ± 1 Digit
Temp. Comp.	0 to 100°C(Auto/Manual)	0 to 100°C (Manual)	0 to 100°C (Manual)	0 to 100°C (Manual)
<b>Conductivity (E C)</b>				
Range	0-20, 0-200µS	0-200µS	0-20mS	0-20mS
	0-2, 0-20, 0-200mS	0-2, 0-20, 0-200mS	---	---
Resolution	0.01µS/cm	0.1µS	0.01mS (10µS)	0.01mS (10µS)
Range Selection	Automatic	Manual	---	---
Accuracy	± 0.5% FS± 1 Digit	± 0.5% FS ± 1 Digit	± 0.5% FS ± 1 Digit	± 0.5% FS ± 1 Digit
Cell Constant	Adjustable (0.05 to 10.5)	Adjustable (0.4 to 1.5)	Pre-Adjusted	Pre-Adjusted
Temp. Coefficient	Adjustable (0.4 to 4.0)	2%	---	2%
Temp. Comp.	5-50° (Auto/Manual)	Adjustable from table	Adjustable from Table	Adjustable from Table
Reference Temp.	Selectable (5-50°C)	25°C	25°C	25°C
<b>Temperature</b>				
Range	0-100°C	0-100°C	0-100°C	0-100°C
Resolution	0.1°C	0.1°C	0.1°C	0.1°C
Accuracy	± 0.1°C ± 1 Digit	± 0.1°C ± 1 Digit	± 0.1°C ± 1 Digit	± 0.1°C ± 1 Digit
Sensor	Semi Conductor Type	Semi Conductor Type	Semi Conductor Type	Semi Conductor Type
<b>TDS</b>				
Range	0-20, 0-200ppm	0-200ppm	0-20 ppt	0-20 ppt
	0-2, 0-20, 0-200 ppt.	0-2, 0-20, 0-200 ppt.	---	---
Range Selection	Automatic	Manual	---	---
Resolution	0.01 ppm	0.1 ppm	0.01ppt	0.01ppt
Accuracy	± 0.5% FS ± 1 Digit	± 0.5% FS ± 1 Digit	± 0.5% FS ± 1 Digit	± 0.5% FS ± 1 Digit
Cell Constant	Adjustable (0.05 to 10.5)	0.4 to 1.5 on display	Pre-Adjusted	Pre-Adjusted
<b>DO</b>				
Range	0-20 ppm	0-20 ppm	0-20 ppm	---
Resolution	0.1 ppm	0.1 ppm	0.1 ppm	---
Accuracy	0.1 ppm ± 1 Digit	0.1 ppm ± 1 Digit	0.5 ppm ± 1 Digit	---
Temp. Comp.	Auto/Manual (5°C to 55°C)	Manual (5°C to 55°C)	Manual (5°C to 55°C)	---
DO Sensor	Gold/Silver Probe	Gold/Silver Amperometric Probe	Gold/Silver Amperometric Probe	---
<b>mV (ORP)</b>				
Range	0 to ± 1999.9 mV	0 to ± 1999 mV	---	---
Resolution	0.1 mV	1 mV	---	---
Accuracy	± 0.1 mV ± 1 digit	± 1 mV ± 1 digit	---	---
<b>Turbidity</b>				
Range	---	0-1000 JTU	---	---
Resolution	---	1 JTU	---	---
Accuracy	---	± 3% FS ± 1 Digit	---	---
Sample System	---	30mm Clear Glass Tube	---	---
<b>Salinity</b>				
Range	0-20,0-200ppm,0-2,0-20,0-50ppt	0 - 50 ppt	0 - 50 ppt	0 - 50 ppt
Resolution	0.01 ppm	0.1 ppt	0.1 ppt	0.1 ppt
Accuracy	± 1% of Range ± 1 Digit	± 0.5% FS ± 1 Digit	± 0.5% FS ± 1 Digit	± 0.5% FS ± 1 Digit
<b>Power Supply</b>				
	6V Rechargeable Battery or 230V±10%AC, 50Hz	1.5Vx6Dry Cells or 230V±10%AC, 50Hz	1.5Vx6Dry Cells or 230V±10%AC, 50Hz	1.5Vx6Dry Cells or 230V±10%AC, 50Hz
<b>Storage</b>				
	1000 sample	---	---	---
<b>Standard Accessories</b> pH Electrode, Cond./TDS/Salinity Cell, Temp. Probe, DO Probe, Dry Cell container (161), Main Lead, Operation Manual, Bottles for pH Solution & pH Tablets Bottles (161 & 191), Turbidity Test Tube Set (191)				