

LT-59/60/61/62/64 WATER & SOIL ANALYSIS KIT



LT 59



LT 64



LT 62



LT 60



LT 61

PARAMETERS

	LT-59	LT-60	LT-61	LT-62	LT-64
pH	✓	✓	✓	✓	✓
Cond.	✓	✓	✓	✓	✓
TDS	✓	✓	✓	✓	✓
DO	✓	✓	✓	✓	✓
mV (ORP)	✓		✓	✓	
Salinity	✓	✓	✓		✓
Turbidity		✓			✓
Colorimeter					✓
Temp.	✓	✓	✓	✓	✓

TECHNICAL SPECIFICATION



Model	LT-59	LT-60	LT-61	LT-62	LT-64
Display	16 x 2 Characters LCD	3½ DIGIT LCD	3½ DIGIT LCD	3½ DIGIT LCD	3½ DIGIT LCD
pH					
Range	0 to 14 Ph	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	0.01 pH
Accuracy	0.01 ± 1 Digit	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)	0 to 100°C (Manual)
Conductivity (E C)					
Range	0-20, 0-200µS 0-2, 0-20, 0-200µS	0-200µS 0-2, 0-20, 0-200µS	0-20µS	0-20µS	0-20µS
Resolution	0.01 µS/cm	0.1µS	0.1µS	0.01µS (10µS)	0.01µS (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	± 0.5% FS ± 1 Digit
Cell Constant	Adjustable (0.05 to 10.5)	Adjustable (0.4 to 1.5)	Pre-adjusted	Pre-adjusted	Pre-adjusted
Temp. Coefficient	Adjustable (0.4 to 4.0)	2%	2%	2%	2%
Temp. Comp.	5-50°C (Auto/Manual)	Adjustable from table	Adjustable from table	Adjustable from table	Adjustable from table
Reference Temp.	Selectable (5-50°C)	25°C	25°C	25°C	25°C
Temperature					
Range	0-100°C	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	0.1°C
Accuracy	± 0.1°C ± 1 Digit	± 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	Semi Conductor Type
TDS					
Range	0-20, 0-200ppm 0-2, 0-20, 0-200 ppt	0-20, 0-200ppm 0-2, 0-20, 0-200 ppt	0-20 ppt	0-20 ppt	0-20 ppt
Range Selection	Automatic	Manual	-	-	-
Resolution	0.01 ppm	0.1ppm	0.01ppt	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	± 0.5% FS ± 1 Digit
Cell Constant	Adjustable (0.05 to 10.5)	0.4 to 1.5 in display	Pre-adjusted	Pre-adjusted	Pre-adjusted
DO					
Range	0-20 ppm	0-20 ppm	0-20 ppm	-	0-20 ppm
Resolution	0.1 ppm	0.1 ppm	0.1 ppm	-	0.1 ppm
Accuracy	0.1 ppm ± 1 Digit	0.1 ppm ± 1 Digit	0.1 ppm ± 1 Digit	-	0.1 ppm ± 1 Digit
Temp. Comp	Auto/Manual (5°C to 55°C)	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 Probe	Gold/Silver Probe	-	-
mV (ORP)					
Range	0 to ± 1999.9 mV	0 to ± 1999.9 mV	-	-	0 to ± 1999.9 mV
Resolution	0.1 mV	0.1 mV	-	-	0.1 mV
Accuracy	± 0.1mV ± 1 digit	± 0.1mV ± 1 digit	-	-	± 0.1mV ± 1 digit
Turbidity					
Range	-	0-1000 JTU	-	-	0-1000 JTU
Resolution	-	1 JTU	-	-	1 JTU
Accuracy	-	± 3%FS ± 1 DIGIT	-	-	± 3%FS ± 1 DIGIT
Sample system	-	30mm Clear glass tube	-	-	30mm Clear glass tube
Salinity					
Range	0-20, 0-200ppm, 0-2, 0-20, 0-50ppt	0-50ppt	0-50ppt	0-50ppt	
Resolution	0.01 ppm	0.1 ppt	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	± 0.5% FS ± 1 Digit
Colorimeter					
Power Supply	6V Rechargeable Battery or 230V ± 10% AC, 50Hz	1.5V x 6 dry cells or 230V ± 10% AC < 50Hz	1.5V x 6 dry cells or 230V ± 10% AC < 50Hz	1.5V x 6 dry cells or 230V ± 10% AC < 50Hz	1.5V x 6 dry cells or 230V ± 10% AC < 50Hz
Storage	1000 sample	-	-	-	-