

SD Series (IP 67 waterproof)



The instruments in the SD Series of E-Chem Testers are ideal for field testing in environmental or industrial settings as well as for pool and spa testing! The robust housing is completely waterproof (IP67 rated!) and the intuitive scroll-bar functionality combined with a backlit display enable the easy measurement and simultaneous display of:

- Result
- Temperature
- Date & Time

With 25 sets of data storage, each with date and time stamp, the units also enables the easy recall of data for record keeping requirements. Designed and manufactured according to Lovibond® quality standards, with replaceable electrodes to ensure long-life functionality in the field.

Highlights

- Portable Hand-Held E-Chem Tester
- Scroll driven menu system
- Compact & Robust
- Storage Function
- Backlit Display
- Waterproof (IP67)

Delivery Content

- Durable plastic case with hanger
- Lanyard
- Instruction Manual

With SD 50 pH only:

- pH 4, 7, 10 buffer tablets
(1 strip of 10 tablets each)

SD 50 pH

Range	0 - 60 °C, 0 - 14 pH
Resolution	0.01 pH
Accuracy	± 0.05 pH
Resolution temperature	0.1 °C; Accuracy: ± 1 °C, selectable °C / °F system
Selectable buffer system	pH 7.00 or pH 6.86
Calibration	1, 2, or 3 points calibration with auto-recognition (NIST / IUPAC)
Temperature compensation	Automatic
Memory	Time and date display / stamp with 25 sets of data storage (non-volatile)
Display	22 x 22 mm LCD screen, with yellow/green backlight
Power supply	2 x CR2032 batteries
Battery life	> 25 hours (continuous use, backlight OFF), low battery indicator on LCD screen
Auto-off	8 minutes non-use
Conformity	CE
Part Number	19 48 00
Spare electrode	19 48 20

SD 80 TDS

Range	0 - 60 °C, < 10.00 ppt ²⁾
Resolution	1 ppm (<= 999 ppm) 0.01 ppt (1.0 - 10.00 ppt)
Resolution temperature	0.1 °C; Accuracy: ± 1 °C, selectable °C / °F system
Auto switch over ppm and ppt	ppm: 0 - 999 ppt: 1.00 - 10.00
Calibration	up to 2 points calibration manual mode ± 50 % adjustable value
Temperature compensation	Automatic
Memory	Time and date display / stamp with 25 sets of data storage (non-volatile)
Display	22 x 22 mm LCD screen, with yellow/green backlight
Power supply	2 x CR2032 batteries
Battery life	> 25 hours (continuous use, backlight OFF), low battery indicator on LCD screen
Auto-off	8 minutes non-use
Conformity	CE
Part Number	19 48 03
Spare electrode	19 48 22

SD 60 ORP

Range	0 - 60 °C, -1800 ~ 1800mV
Resolution	0.1 mV (within ± 1000 mV) 1 mV (outside ± 1000 mV)
Accuracy	± 20 mV
Resolution temperature	0.1 °C; Accuracy: ± 1 °C, selectable °C / °F system
Calibration	1 point calibration with ± 150 mV adjustable ORP value
Temperature compensation	Automatic
Memory	Time and date display / stamp with 25 sets of data storage (non-volatile)
Display	22 x 22 mm LCD screen, with yellow/green backlight
Power supply	2 x CR2032 batteries
Battery life	> 25 hours (continuous use, backlight OFF), low battery indicator on LCD screen
Auto-off	20 minutes non-use
Conformity	CE
Part Number	19 48 01
Spare electrode	19 48 21

SD 90 Salt

Range	0 - 60 °C, < 20,00 ppt ± 2,00 % ³⁾
Resolution	0.01 % (when set to "P" % unit) 1 ppm (< 2000 ppm) 0.01 ppt (2.0 - 20.00 ppt)
Resolution temperature	0.1 °C; Accuracy: ± 1 °C, selectable °C / °F system
Auto switch over ppm and ppt	ppm: 0 - 1999 ppt: 2.00 - 20.00
Calibration	up to 2 points calibration manual mode ± 50 % adjustable value
Selectable unit system	"P" % or ppt / ppm
Temperature compensation	Automatic
Memory	Time and date display / stamp with 25 sets of data storage (non-volatile)
Display	22 x 22 mm LCD screen, with yellow/green backlight
Power supply	2 x CR2032 batteries
Battery life	> 25 hours (continuous use, backlight OFF), low battery indicator on LCD screen
Auto-off	8 minutes non-use
Conformity	CE
Part Number	19 48 04
Spare electrode	19 48 22

SD 70 Con

Range	0 - 60 °C, < 20.00 mS ¹⁾
Resolution	1 µS (<= 1999 µS) 0.01 mS (2.0 - 20.00 mS)
Resolution temperature	0.1 °C; Accuracy: ± 1 °C, selectable °C / °F system
Auto switch over µS and mS	µS: 1 - 1999 mS: 2.00 - 20.00
Calibration	1 or 2 points calibration for auto mode Standard: 1413 µS or Standard: 12.88 mS up to 2 points calibration for manual mode ± 50 % adjustable value
Temperature compensation	Automatic
Memory	Time and date display / stamp with 25 sets of data storage (non-volatile)
Display	22 x 22 mm LCD screen, with yellow/green backlight
Power supply	2 x CR2032 batteries
Battery life	> 25 hours (continuous use, backlight OFF), low battery indicator on LCD screen
Auto-off	8 minutes non-use
Conformity	CE
Part Number	19 48 02
Spare electrode	19 48 22

Conversion Table

- ¹⁾ 0 - 20.00 mS/cm = 0 - 20,000 µS/cm
²⁾ 0 - 10.00 ppt TDS = 0 - 10,000 ppm TDS
³⁾ 0 - 20.00 ppt NaCl = 0 - 20,000 ppm NaCl
 0 - 20.00 ppt NaCl = 0 - 2 % NaCl
 0 - 20.00 ppt NaCl = 0 - 20 g/l NaCl
 ppm = Parts per Million = mg/l
 ppt = Parts per Thousand = g/l

