

Electrochemistry Meters

Series SD (IP 67 waterproof)



The new AQUALYTIC® SD series comprises a range of compact, easy-to-use, hand-held instruments for the accurate measurement of pH, ORP, Con, TDS or Salt. With robust housing and fully waterproof (IP67) casing, these testers are the ideal solution for in-situ testing in environmental, industrial or pool & spa applications.

The intuitive scroll-bar functionality and backlit display enable the easy measurement and simultaneous display of

Result | Temperature | Date & Time | Other Measurement Details.

With 25 sets of data storage, each with date and time stamp, the units also enable the easy recalling of data for record keeping requirements.

Designed and manufactured according to AQUALYTIC® quality standards, the devices are equipped with replaceable electrodes to ensure long-life functionality in the field.

Delivery Content

Each device is delivered with Batteries/without batteries (depending on the order code), lanyard and instruction manual in robust plastic case with hanger.

SD 50 pH additionally:
pH 4, 7, 10 buffer tablets (1 strip of 10 tablets each)

Highlights

- Portable Hand-Held Meter
- Scroll-Through Functionality
- Compact & Robust
- Storage Function
- Backlit Display
- Waterproof (IP67)

Variants

- SD 50 pH
- SD 60 ORP/Redox
- SD 70 Con
- SD 80 TDS
- SD 90 Salt

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
Approval	CE
Order code	4194800 without batteries 4194800-B with batteries

Spare electrode 194820

SD 80 TDS

Range	0 - 60 °C, < 10.00 ppt ²⁾
Resolution	1 ppm (<= 999 ppm) 0.01 ppt (1.0 - 10.00 ppt)
Accuracy	± 3 % FS
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
Order code	4194803 without batteries 4194803-B with batteries

Spare electrode 194822

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
Order code	4194801 without batteries 4194801-B with batteries

Spare electrode 194821

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)
Accuracy	± 3 % FS
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
Order code	4194804 without batteries 4194804-B with batteries

Spare electrode 194822

SD 70 Con

Range	0 - 60 °C, < 20.00 mS ¹⁾
Resolution	1 μS (<= 1999 μS) 0.01 mS (2.0 - 20.00 mS)
Accuracy	± 3 % FS
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
Order code	4194802 without batteries 4194802-B with batteries

Spare electrode 194822

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

