

# Water Testing

## SD Pocket Tester Series



### Electrochemical Pocket Tester

SD10 pH

SD20 ORP

SD30 EC

SD40  
Multi

#### A handful of electrochemistry for all measuring cases

Whether for environmental monitoring, regular industrial plant checks or for use at the pool: The new SD Series Pocket Testers fit comfortably in one hand or on the trouser pocket. With a completely new design, on-site measurements can be taken in the blink of an eye whether pH, redox, conductivity, salt or TDS. The new handheld testers have many more innovations to offer:

- Transparent lid for easy maintenance & storage
- New multi-parameter models for individual measurement requirements
- New lid design for stable stand
- Display colours & symbols for ease of use
- Simplified replacement of batteries & spare electrodes

# Advantages

waterproof housing

longer battery life due to 4 x AAA batteries

smaller size fits in one hand

display with less text – larger fonts, better reading of results

Colour display for easier user experience –  
*blue*: measurement  
*green*: calibration  
*red*: alarm

Stability symbol shows a stable measurement

**HOLD** Auto-Hold as optional functionality

3 multi-functional buttons with intuitive symbols

Multiparameter options e. g. Conductivity, better performance, faster results

easy electrode exchange

Holder for lanyard & trouser clip for mobile use

transparent lid for measurement & calibration, storage of sensor

easy to open

optimal design for upright & stable stand



## Buffer, standard & storage solutions

Lovibond® offers all the necessary solutions for maintenance and care in the context of measuring pH values, redox potential and conductivity. Traceability to NIST is guaranteed.



## Protective cap for electrodes

The sensor protection for the SD10 and SD40 can be used to protect the sensitive glass ball of the pH electrode from mechanical damage.



## Lanyard

A safety ring makes it even easier to attach the carrying strap to the head of the unit. This allows you to wear any SD series unit comfortably around your neck and take it with you wherever you go.







## Pocket Clip

With a clip on the head of the device each pocket tester is easily attached on your trouser pocket, waistband or belt – if you need both hands when preparing measurements on the move.



## Our pocket testers in comparison

For those who are demanding and work in different applications at the same time, single-parameter and multi-parameter devices offer the choice for individual test requirements:

	SD10 pH 	SD20 ORP 	SD30 EC 	SD40 Multi 
Parameter	pH/T	ORP/T	Con/TDS/Salt/T	pH/Con/TDS/Salt/T
Measuring range	pH: 0.00...14.00 pH (mV): -1000...+1000 mV	ORP: -1000...+1000 mV	Con: 0.01...20.00 mS/cm TDS: 0.01...20.00 ppt Salt: 0.01...10 g/L	pH: 0.00...14.00 Con: 0.01...20.00 mS/cm TDS: 0.01...20.00 ppt Salt: 0.01...10 g/L ppt
Resolution	pH: 0.01 pH (mV): 1	ORP: 1 mV	Auto Scale – Con: 0.1 µS/cm, 1 µS/cm, 0.01 mS/cm Auto Scale – TDS: 0.1 ppm, 1 ppm, 0.01 ppt Salt: 0.01 ppt	pH: 0.01 Auto Scale – Con: 0.1 µS/cm, 1 µS/cm, 0.01 mS/cm Auto Scale – TDS: 0.1 ppm, 1 ppm, 0.01 ppt Salt: 0.01 ppt
Accuracy	pH: ± 0.01 (±1 digit) pH (mV): ± 0.2% FS	mV: ± 0.2% FS	Con/TDS/Salt: ± 1% F	pH: ± 0.01 (±1 digit), pH (mV): ± 0.2% FS Con/TDS/Salt: ± 1% FS
Calibration points	1 ... 3	1	1...3	1...3
Automatical standard recognition	USA: 1.68/4.00/7.00/ 10.01/12.45 pH NIST: 1.68/4.01/6.86/9.81/ 12.45 pH	+470 mV (25 °C), Pt Ag/AgCl (3 M KCl)	Con: 84 µS/cm/ 1413 µS/cm/12.88 mS/cm	pH USA: 1.68/4.00/7.00/ 10.01/12.45 pH NIST: 1.68/4.01/6.86/9.81/ 12.45 pH Con: 84 µS/cm/ 1413 µS/cm/12.88 mS/cm
Alarm for limits	Yes		No	
Stability indicator	Yes			
Auto-Hold function	Yes			
Temperature measuring range	0 – 50 °C/32 – 122 °F			
Temperature resolution	0.1 °C			
Temperature accuracy	± 0.5 °C			
Auto-off	after 8 minutes			
Display	3 coloured backlight LCD (blue: measuring, green: calibration, red: alarm)			
IP protection	IP 67			
Power supply	4 x 1.5 V AAA batteries			
Battery life	> 2000 h			
Operating conditions	0...60 °C/0...80% rel. humidity (non-condnsing)			
Dimension & Weight (batteries incl.)	180 x 40 x 40 mm, 151 g			
Conformity	CE			
Order Code Pocket Tester	720010	720020	720030	720040
Order Code Replacement Electrode	720015	720025	720035	720045

## Maintenance is the be-all and end-all – now even easier

Especially for electrochemical measuring instruments with sensitive electrodes, maintenance & care are elementary. With additional tools, many formerly cumbersome steps become much easier:

- Transparent lid with safe stand: Can be used as a sample vessel for calibration or measurement
- Lid can be filled with storage solution for sensor maintenance & humidity control
- Simplified mechanism for easier sensor replacement with fastener
- Protective caps for extra sensitive electrodes
- Simplified battery change with new, break-proof locking mechanism
- Extended battery life (4 x AAA batteries) & waterproof battery compartment



## Accessoires

	SD10 pH	SD20 ORP	SD30 EC	SD40 Multi	Order Code
Standard solutions	Storage solution for pH/ORP (3 M KCl), 100 mL	Storage solution for pH/ORP (3 M KCl), 100 mL		Storage solution for pH/ORP (3 M KCl), 100 mL	726404
	Storage solution for pH/ORP (3 M KCl), 25 mL	Storage solution for pH/ORP (3 M KCl), 25 mL		Storage solution for pH/ORP (3 M KCl), 25 mL	726402
		Calibration solution Redox 470 mV (25 °C), 100 mL			195070
			Conductivity solution 1413 µS/cm (NIST), 90 mL	Conductivity solution 1413 µS/cm (NIST), 90 mL	726654
			Conductivity solution 12.88 mS/cm (NIST), 90 mL	Conductivity solution 12.88 mS/cm (NIST), 90 mL	726684
	pH Buffer solution 4.01 (NIST), 90 mL			pH Buffer solution 4.01 (NIST), 90 mL	721247
	pH Buffer solution 7.00 (NIST), 90 mL			pH Buffer solution 7.00 (NIST), 90 mL	721248
	pH Buffer solution 10.01 (NIST), 90 mL			pH Buffer solution 10.01 (NIST), 90 mL	721249
			pH-Buffer solution-Set 4/7/10 (NIST), each 90 mL	721250	
Buffer tablets	pH 4 Buffer tablets, 100 Pc.			pH 4 Buffer tablets, 100 Pc.	515620BT
	pH 4 Buffer tablets, 250 Pc.			pH 4 Buffer tablets, 250 Pc.	515621BT
	pH 7 Buffer tablets, 100 Pc.			pH 7 Buffer tablets, 100 Pc.	515610BT
	pH 7 Buffer tablets, 250 Pc.			pH 7 Buffer tablets, 250 Pc.	515611BT
	pH 10 Buffer tablets, 100 Pc.			pH 10 Buffer tablets, 100 Pc.	515600BT
	pH 10 Buffer tablets, 250 Pc.			pH 10 Buffer tablets, 250 Pc.	515601BT
Additional accessoires	Transparent electrode cap				720051
	Measuring cup 100 mL				384801
	DI water for rinsing the electrode				457022
	Battery lid				720050
	Plastic box				720052
	AAA batteries, 4 Pc				1950026

