

Waterproof tester series

pH-mV-Conductivity-TDS-Salinity-Temperature



INNOVATION IN YOUR HAND

*Applications: Agriculture - Water and waste water treatment - Hydroponics
Aquaculture and aquariums - Environmental monitoring - Pools and spas
Food and beverage manufacturing - Cooling towers - Electroplating - Printing
Education*



Tester serie 5 with replaceable sensor

Parameter

Measurement stability Indication

Buffer used for calibration

IP 67 Waterproof

Only 3 Keys to control all functions

Transparent body

Battery level

Temperature reading

Easy push button for calibration and setup

4 x 1,5 V AAA batteries for long working time, compatible with rechargeable batteries

Replaceable sensor

Large backlit color LCD display

During measure

In calibration

Alarm condition

Color parameter identification

	pH/mV
	Cond/TDS/SAL
	pH/mV/Cond/TDS/SAL

pH 5 pH/mV/°C

- pH scale: -2...16 pH, Resolution 0.01 pH
- 1...3 points calibration, 5 USA buffers in memory
- mV function for pH electrode quality test or connection to ORP sensor for Redox potential measurement

COND 5 Cond/TDS/Salinity/°C

- Cond scale: 0...200µS - 0...2000µS - 0...20mS
- 1...3 points calibration, 3 Cond standards in memory
- Reference temperature 20/25 °C user selectable

PC 5 pH/mV/ Cond/TDS/Salinity/°C

- pH scale: -2...16 pH, Resolution 0.01 pH
- 1...3 points calibration, 5 USA buffers in memory
- mV function for pH electrode quality test or connection to ORP sensor for Redox potential measurement
- COND scale: 0...200µS - 0...2000µS - 0...20mS
- 1...3 points calibration, 3 Cond standards in memory
- Reference temperature 20/25 °C user selectable

pH 5 FOOD pH/mV/°C

- with replaceable spear pH electrode.
- Double open pore polymer electrode maintenance free incorporating temperature sensors for fast temperature reading
- pH scale: -2...16 pH, Resolution 0.01 pH
- 1...3 points calibration, 5 USA buffers in memory
- mV function for pH electrode quality test

ORP 5 mV/°C

- mV scale: ± 1000 mV, Resolution 0.1/1 mV



ORP 51 replacement electrode for ORP 5



PC 5 kit



pH 5 FOOD

Tester serie 1 no-replaceable sensor electrode



Display pH 1



Display COND 1

Main features

- Large LCD display
- Buffers used for calibration indication
- Measurement stability indicator
- Automatic temperature compensation
- 1...2 calibration points
- Extended conductivity scale (COND 1): 0...2000µS; 0...20mS
- COND and TDS function (COND 1)
- 4x1,5V AAA batteries for long working time, compatible with rechargeable batteries

pH1 pH

- Range: 0...14 pH, resolution 0.1 pH
- 1...2 points calibration, 3 USA buffers in memory

COND 1 COND/TDS

- COND range: 0...2000µS - 0...20mS
- TDS range 0...10 ppt
- 1...2 calibration points, 2 memorised conductivity standards
- Reference temperature 25 °C



Transparent plastic body



Tester kit

	pH 5 / pH 5 FOOD	COND 5	PC 5	ORP 5
pH measuring range	-2...16	-	-2...16	-
Resolution	0.01	-	0.01	-
Relative accuracy	±0.01	-	±0,01	-
Points of calibration	1...3	-	1...3	-
Buffer auto recognition	5 USA buffer	-	5 USA buffer	-
Calibration points indication	YES	-	YES	-
Stability measurement indication	YES	YES	YES	YES
Electrode condition alarm	YES	YES	YES	-
mV (redox) measuring range	± 1000	-	± 1000	± 1000
Resolution	0.1 / 1	-	0.1 / 1	0.1 / 1
COND measuring range	-	0...200µS- 0...2000µS- 0...20mS	0...200µS- 0...2000µS- 0...20mS	-
Resolution	-	Automatic scale	Automatic scale	-
Relative accuracy	-	±1 % Full scale	±1 % Full scale	-
Calibration points COND	-	1...3	1...3	-
Calibration standard recognition	-	84, 1413 µS / 12.88 mS	84, 1413 µS / 12.88 mS	-
Indication of calibration points	-	YES	YES	-
TC Temperature coefficient	-	0.00...4.00% / °C	0.00...4.00% / °C	-
TR Reference temperature	-	20 / 25 °C	20 / 25 °C	-
TDS measuring range	-	0,1 ppm...10 ppt	0,1 ppm...10 ppt	-
TDS Factor	-	0.40...1.00	0.40...1.00	-
Relative accuracy	-	±1 % Full scale	±1 % Full scale	-
Salinity measuring range	-	0.01...10g/l	0.01...10g/l	-
Temperature measuring range °C	0...50	0...50	0...50	-
Resolution/ Accuracy	0.1/± 0.2 °C	0.1/± 0.2 °C	0.1/± 0.2 °C	-
Unit	°C/°F	°C/°F	°C/°F	-
Auto off	8 min. after last key pressed	8 min. after last key pressed	8 min. after last key pressed	8 min. after last key pressed
Display	Dual 3 color backlit LCD	Dual 3 color backlit LCD	Dual 3 color backlit LCD	Dual 3 color backlit LCD
IP Protection	IP 67	IP 67	IP 67	IP 67
Power supply	4x1,5V AAA batteries	4x1,5V AAA batteries	4x1,5V AAA batteries	4x1,5V AAA batteries
Batteries life	> 200 Hrs	> 200 Hrs	> 200 Hrs	> 200 Hrs
Warranty instrument / sensor	2 Years / 6 months	2 Years / 6 months	2 Years / 6 months	2 Years / 6 months
Dimensions (Ø x L) mm	35 x 175 (pH 5) / 35 x 210 (pH 5 food)	35 x 175	35 x 175	35 x 175
Weight	130 g (pH 5) / 140 g (pH 5 food)	130 g	130 g	130 g

	pH 1	COND 1
pH measuring range	0...14	-
Resolution	0.1	-
Relative accuracy	±0.1	-
Points of calibration	1...2	-
Buffer auto recognition	3 USA buffer	-
Indication of calibration points	YES	-
Stability measurement indication	YES	YES
Electrode condition alarm	YES	YES
COND measuring range	-	0...2000µS - 0...20mS
Resolution	-	Automatic scale
Relative accuracy	-	±1 % Full scale
Calibration points COND	-	1...2
Calibration standard recognition	-	1413 µS / 12.88 mS
Indication of calibration points	-	YES
TR Reference temperature	-	25 °C
TDS measuring range	-	0.1 ppm...10 ppt
TDS Factor	-	0.40...1.00
Auto off	8 min. after last key pressed	8 min. after last key pressed
Display	LCD	LCD
IP Protection	IP 67	IP 67
Power supply	4x1,5V AAA batteries	4x1,5V AAA batteries
Batteries life	> 300 Hrs	> 300 Hrs
Warranty instrument / sensor	1 Year / 6 months	1 Year / 6 months
Dimensions (Ø x L) mm	35 x 175	35 x 175
Weight	120 g	120 g



SPH5
Replaceable pH
electrode for
pH 5 Food



Neck strap



Protection
cap used like
electrode for
pH 5 Food



Clip

How to order	
50014063	pH 5 tester kit, includes: instrument, 1 extra cap for calibration, 1x55ml pH 7 and pH 4 colored buffer solution, 1x10ml electrode storage solution, neck strap, paper towel, 4x 1,5V AAA batteries, carrying case.
50014213	COND 5 tester kit, includes: instrument, 1 extra cap for calibration, 1x55ml 1413µS and 12,88mS conductivity standard solution, neck strap, paper towel, 4x 1,5V AAA batteries, carrying case.
50014263	PC 5 tester kit, includes: instrument, 1 extra cap for calibration, 1x55ml pH 7 and pH 4 colored buffer solution, 1x10ml electrode storage solution 1x55ml 1413µS conductivity standard solution, neck strap, paper towel, 4x 1,5V AAA batteries, carrying case.
50014113	pH 5 FOOD tester kit, includes: instrument, 1x55ml pH 7 and pH 4 colored buffer solution, 1x10ml storage solution for electrode, neck strap, paper towel, 4x 1,5V AAA batteries, carrying case.
50014313	ORP 5 tester kit, includes: instrument, 1 extra cap for calibration, 1x55ml 468 mV Redox standard, 1x10ml storage solution for electrode, neck strap, paper towel, 4x 1,5V AAA batteries, carrying case.
50014013	pH 1 tester kit, includes: instrument, 1 extra cap for calibration, 1x55ml pH 7 and pH 4 colored buffer solution, 1x10ml electrode storage solution, neck strap, paper towel, 4x 1,5V AAA batteries, carrying case.
50014163	COND 1 tester kit, includes: instrument, 1 extra cap for calibration, 1x55ml 1413µS and 12,88mS conductivity standard solution, neck strap, paper towel, 4x 1,5V AAA batteries, carrying case.

Accessories	
50014403	PH51 Replacement pH electrode for pH 5
50014413	COND51 Replacement COND electrode for COND 5
50014433	PC51 Replacement PC electrode for PC 5
50014423	SPH51 Replacement Food electrode for pH 5 Food
50014443	ORP51 Replacement ORP electrode for ORP 5

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