

# Waterproof Tester

*pH - mV - Conductivity - TDS - Salinity - Temperature*



**XS** makes *pH and conductivity easy*

*Applications: Agriculture - treatment of waters and wastewaters - hydroponic crops and aquariums - environmental monitoring - swimming pools and thermal centers - food and beverage - cooling towers - galvanic - graphics industry - education*

# Tester series 1

with fixed and non-replaceable electrode

## Main features

- Wide LCD display
- Indication of calibration points
- Stability indication
- Automatic temperature compensation
- 1...2 calibration points
- Conductivity range (COND1): 0...2000 $\mu$ S; 0...20mS
- COND and TDS functions (COND1)
- 4 x 1,5 V batteries AAA for long-term use.  
*compatible with rechargeable batteries*



Display COND 1



Display pH 1

### pH 1 pH

- pH range: 0...14 pH, resolution 0.1 pH
- 1...2 calibration points, 3 buffers USA memorized

### COND1 Cond/TDS

- COND range: 0...2000  $\mu$ S - 0...20 mS
- TDS range: 0...10 ppt
- 1...2 calibration points, 2 conductivity standards memorized
- Reference temperature 25°C



Tester pH 1

Tester COND 1

Sensor



Tester kit with case



Tester kit Ecopack



Transparent plastic body

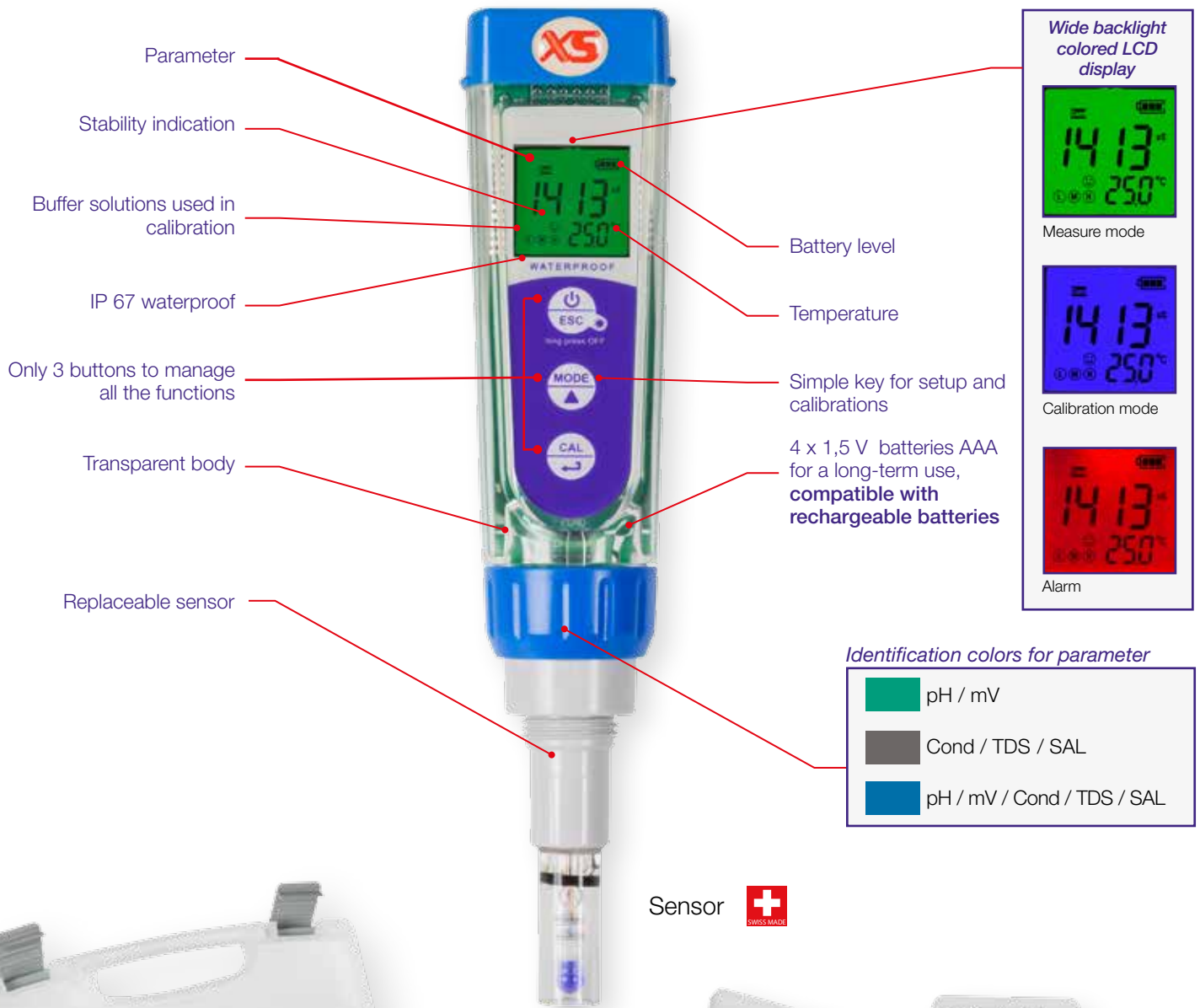
	pH 1	COND 1
<b>pH</b> measuring range	0...14	—
Resolution	0.1	—
Accuracy	$\pm 0.1$	—
Calibration points	1...2	—
Buffers auto recognition	3 buffers USA	—
Indication of calibration points	Yes	—
Stability indication	Yes	Yes
Electrode status alarm	Yes	Yes
<b>COND</b> measuring range	—	0...2000 $\mu$ S - 0...20mS
Resolution	—	Automatic scale
Accuracy	—	$\pm 1$ % of full scale
Calibration points COND	—	1...2
Buffers auto recognition	—	1413 $\mu$ S / 12.88 mS
Indication of calibration points	—	Yes
TR reference temperature	—	25 °C
<b>TDS</b> measuring range	—	0.1 ppm...10 ppt
TDS factor	—	0.40...1.00
Auto off	after 8 minutes	after 8 minutes
Display	LCD	LCD
IP protection	IP 67	IP 67
Power supply	4x1,5V batteries AAA	4x1,5V batteries AAA
Battery life	> 300 hours	> 300 hours
Warranty	1 year	1 year
Dimensions ( $\varnothing$ x L) mm	35 x 175	35 x 175
Weight	120 g	120 g

## How to order



50014013	<b>pH 1 tester KIT</b> , includes: meter, 1 cap for the calibration, 1 x 55ml pH 7 and pH 4 colored buffer solutions, 1 x10 ml electrode storage solution, string for neck, tissue, 4 x 1,5V AAA batteries, case.
50014163	<b>COND 1 tester KIT</b> , includes: meter, 1 cap for the calibration, 1 x 55ml 1413 $\mu$ S and 12.88 mS standard solutions, string for neck, tissue, 4 x 1,5V AAA batteries, case.
50014003	<b>pH 1 tester Ecopack</b> , includes: meter, 1 cap for the calibration, string for neck, tissue, 4 x 1,5V AAA batteries
50014153	<b>COND 1 tester Ecopack</b> , includes: meter, 1 cap for the calibration, string for neck, tissue, 4 x 1,5V AAA batteries

# Tester series 5

with replaceable electrode



### Identification colors for parameter

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

Sensor 



PC 5 kit with case



Tester kit with case



Tester kit Ecopack

# Tester pH 5



Sensor

## pH5 pH/mV/°C

- pH range: -2...16 pH, resolution 0.01 pH
- 1...3 calibration points, 5 buffers USA memorized
- mV function for pH electrode quality test, or for redox potential measurement with ORP sensor connected

## pH5 FOOD pH/mV/°C

- pH penetration electrode replaceable
- Double open pore, polymer electrode, maintenance free
- Temperature sensor integrated
- pH range: -2... 16 pH, resolution 0.01 pH
- 1...3 calibration points, 5 buffers USA memorized
- mV function for pH electrode quality test

## ORP 5 mV/°C

- mV range ±1000mV, resolution 0,1/1mV



ORP 51 replacement electrode for ORP 5



pH 5 FOOD



pH 5 Food

	pH 5 / pH 5 FOOD	ORP 5
<b>pH</b> measuring range	-2...16	—
Resolution	0.01	—
Accuracy	±0.01	—
Calibration points	1...3	—
Buffer auto recognition	5 buffers USA	—
Indication of calibration points	Yes	—
Indication of stability	Yes	Yes
Electrode status alarm	Yes	—
<b>mV</b> (Redox) measuring range	± 1000	± 1000
Resolution	0.1 / 1	0.1 / 1
<b>Temperature</b> measuring range °C	0...50	0...50
Resolution / Accuracy	0.1/± 0.2 °C	—
Unit	°C/°F	—
Auto off	after 8 minutes	after 8 minutes
Display	3 colors backlight LCD	3 colors backlight LCD
IP protection	IP 67	IP 67
Power supply	4x1,5V batteries AAA	4x1,5V batteries AAA
Battery life	> 200 hours	> 200 hours
Warranty meter / sensor	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
Weight	130 g (pH 5) / 140 g (pH 5 FOOD)	130 g

## How to order

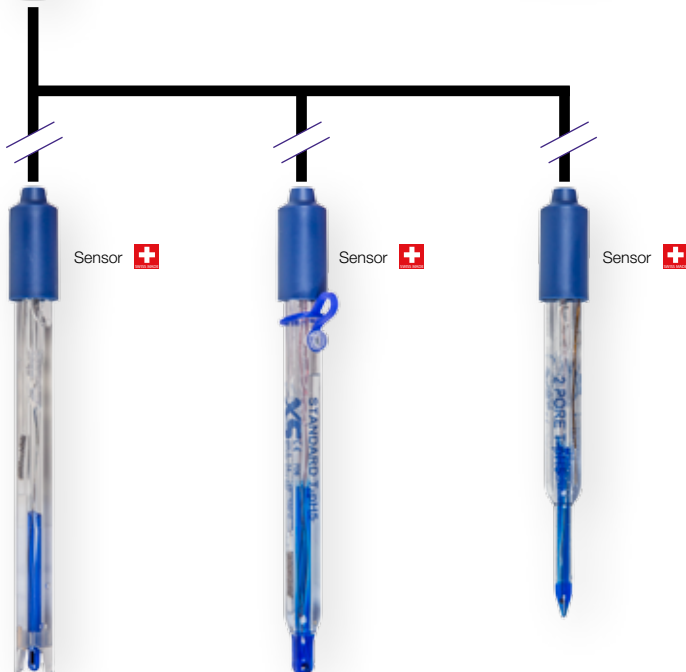
50014063	<b>pH 5 tester KIT</b> , includes: meter, 1 cap for the calibration, 1 x 55ml pH 7 and pH 4 colored buffer solutions, 1 x10 ml electrode storage solution, string for neck, tissue, 4 x 1,5V AAA batteries, case
50014053	<b>pH 5 tester Ecopack</b> , includes: meter, 1 cap for the calibration, string for neck, 4 x 1,5V AAA batteries
50014113	<b>pH 5 FOOD tester KIT</b> , includes: meter, 1 cap for the calibration, 1 x 55ml pH 7 and pH 4 colored buffer solutions, 1 x10 ml electrode storage solution, string for neck, tissue, 4 x 1,5V AAA batteries, case
50014313	<b>ORP 5 tester KIT</b> , includes: meter, 1 cap for the calibration, 1 x 55ml pH 7 and pH 4 colored buffer solutions, 1 x10 ml electrode storage solution, string for neck, tissue, 4 x 1,5V AAA batteries, case



A new line of pH sensors for pH 5 testers, that transforms the pH5 meter into a high-reliability portable instrument for a variety of applications.



*pH 5 kit with external pH electrode*



*201 T - pH5*

*Standard T - pH5*

*2 Pore T - pH5*

**How to order**

50014073	<b>pH 5 tester KIT only body of the instrument</b> , includes: meter, 1 cap for the calibration, 1 x 55ml pH 7 and pH 4 colored buffer solutions, 1 x10 ml electrode storage solution, string for neck, tissue, 4 x 1,5V AAA batteries, case. <b>Without pH electrode</b>
50014603	<b>201 T - pH 5</b> Plastic body electrode with temperature sensor for general purposes, maintenance free. pH 0 ... 14 Temperature 0 ... 60 ° C, 1 m fixed cable with connector for Tester pH 5
50014613	<b>Standard T - pH 5</b> Glass body electrode with temperature sensor for general purposes, KCl 3M filling. pH 0 ... 14 temperature -10 ... 100 ° C, 1 m fixed cable with connector for Tester pH 5
50014623	<b>2 Pore T - pH 5</b> Glass body electrode with temperature sensor for general applications, polymer filling, maintenance free. <b>6 mm tip membrane ideal for meats and cheeses.</b> pH 0 ... 14 temperature 0 ... 60 ° C, 1 m fixed cable with connector for Tester pH 5

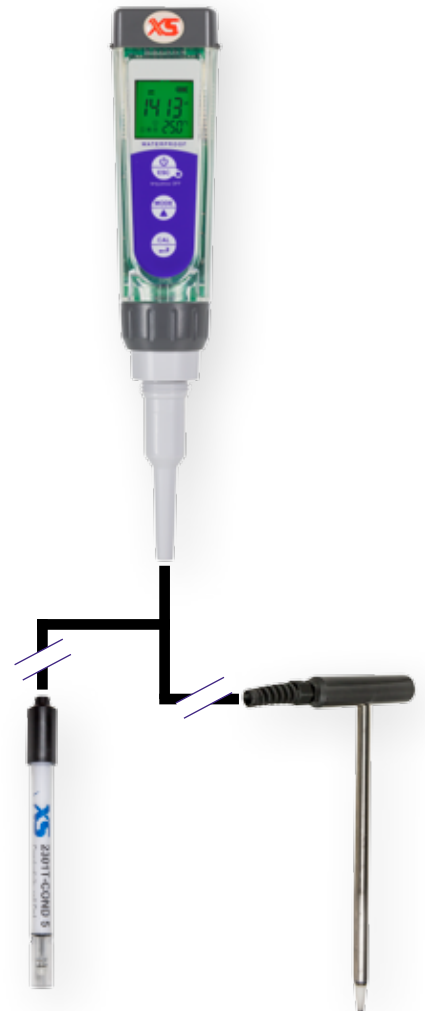
# Tester COND 5



## COND5 Cond/TDS/Salinity/°C

- COND range: 0...200µS - 0...2000µS - 0...20mS
- 1...3 calibration points, 3 buffers memorized
- Reference temperature 20/25°C , selectable

	COND 5
<b>COND</b> measuring range	0...200 µS - 0...2000 µS - 0...20 mS
Resolution	Automatic scale
Accuracy	±1 % full scale
Calibration points COND	1...3
Buffer auto recognition	84, 1413 µS / 12.88 mS
Indication of calibration points	Yes
TC temperature coefficient	0.00...4.00% / °C
TR reference temperature	20 / 25 °C
<b>TDS</b> measuring range	0,1 ppm...10 ppt
TDS Factor	0.40...1.00
Accuracy	±1 % full scale
<b>Salinity</b> measuring range	0.01...10g/l
<b>Temperature</b> measuring range °C	0...50
Resolution / Accuracy	0,1± 0,2 °C
Unit	°C /°F
Auto off	after 8 minutes
Display	3 colors backlight LCD
IP protection	IP 67
Power supply	4x1,5V batteries AAA
Battery life	> 200 hours
Warranty meter / sensor	2 years / 6 months
Dimensions (Ø x L) mm	35 x 175
Weight	130 g



Sensor



COND 5 Ecopack



Kit COND 5



Soil conductivity with VPT Soil



Kit with external sensor

## How to order

50014213	<b>COND 5 tester KIT</b> , includes: meter, 1 cap for the calibration, 1 x 55ml 1413µS and 12.88 mS conductivity standards, string for neck, tissue, 4 x 1,5V AAA batteries, case
50014203	<b>COND 5 tester Ecopack</b> , includes: meter, 1 cap for the calibration, string for neck, 4 x 1,5V AAA batteries
50014223	<b>COND 5 tester only body of the instrument</b> , includes: meter, 1 x 55ml 1413µS and 12.88 mS conductivity standards, string for neck, tissue, 4 x 1,5V AAA batteries, case. <b>Without sensor</b>
50014703	<b>Conductivity cell 2301 T - COND 5</b> , C=1 a 2 electrodes with temperature sensor integrated, Epoxy body, cable 1 m lenght, measuring range 10µS...100 mS
50014713	<b>Cell VPT Soil COND 5</b> conductivity cell with temperature sensor, C=1, for measurement in soil, range 10 µS...50 mS, cable 1,5 m lenght for COND 5

# Tester PC 5



Sensor 

## PC5 pH/mV/ Cond/TDS/Salinity/°C

- pH range: -2...16 pH, resolution 0.01 pH
- 1...3 calibration points, 5 buffers USA memorized
- mV function for pH electrode quality test
- COND range: 0...200µS - 0...2000µS - 0...20mS
- 1...3 calibration points, 3 conductivity standards memorized
- Reference temperature 20/25°C ,selectable

	PC 5
<b>pH</b> measuring range	-2...16
Resolution	0.01
Accuracy	±0.01
Calibration points	1...3
Buffer auto recognition	5 buffers USA
Indication of calibration points	Yes
Indication of stability	Yes
Electrode status alarm	Yes
<b>mV</b> (Redox) measuring range	± 1000
Resolution	0.1 / 1
<b>COND</b> measuring range	0...200 µS - 0...2000 µS - 0...20 mS
Resolution	Automatic scale
Accuracy	±1 % full scale
COND calibration points	1...3
Standards auto recognition	84, 1413 µS / 12.88 mS
Indication of calibration points	Yes
TC temperature coefficient	0.00...4.00% / °C
TR reference temperature	20 / 25 °C
<b>TDS</b> measuring range	0,1 ppm...10 ppt
TDS Factor	0.40...1.00
Accuracy	±1 % full scale
<b>Salinity</b> measuring range	0.01...10g/l
<b>Temperature</b> measuring range °C	0...50
Resolution / Accuracy	0.1/± 0.2 °C
Unit	°C /°F
Auto off	after 8 minutes
Display	3 colors backligh LCD
IP protection	IP 67
Power supply	4x1,5V batteries AAA
Battery life	> 200 hours
Warranty meter / sensor	2 years / 6 month
Dimensions (Ø x L) mm	35 x 175
Weight	130 g



PC 5 kit



PC 5 in Ecopack

## How to order

50014263	PC 5 tester KIT, includes: meter, 1 cap for the calibration, 1 x 55ml pH 7, pH 4 colored buffer solutions and standard 1413µS, 1 x10 ml electrode storage solution, string for neck, tissue, 4 x 1,5V AAA batteries, case.
50014253	PC 5 Ecopack, includes: meter, 1 cap for the calibration, string for neck, 4 x 1,5V AAA batteries



SPH 51 FOOD  
electrode  
replacement for  
pH 5 FOOD



String for the  
neck



Clip



Standard calibration solutions

### Accessories

50014403	PH 51 replacement electrode for pH 5
50014413	COND 51 replacement sensor for COND 5
50014433	PC 51 Replacement sensor for PC 5
50014423	SPH 51 Replacement sensor for pH 5 FOOD
50014443	ORP 51 Replacement electrode for ORP 5

### Buffer solutions 1 x 75 ml

32383123	pH 4,01 ±0,01. Red color
32383133	pH 7,00 ±0,01. Green color
32383143	pH 9,00 ±0,02. Blue color
32383163	Standard Redox 465mV at 25 °C

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