

# Waterproof Testers

pH - mV - ORP - 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): 0,01  $\mu$ S...199,9 mS
- COND and TDS functions (COND1)
- 2 x 1,5 V batteries AAA for long-term use.  
**compatible with rechargeable batteries**

## pH 1 pH

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

## COND1 Cond/TDS

- COND range: 0,01 $\mu$ S... 199,9mS
- TDS range: 0,01ppm...199,9 ppt
- 1...2 calibration points, 2 conductivity standards memorized
- Reference temperature 25°C



Tester pH 1



Tester COND 1

	pH 1	COND 1
pH 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
COND measuring range	—	0,01 $\mu$ S... 199,9 mS
Resolution	—	Automatic scale
Accuracy	—	$\pm 2$ % full scale
Calibration points	—	1...2
Buffers auto recognition	—	1413 $\mu$ S / 12.88 mS
Indication of calibration points	—	Yes
TR reference temperature	—	25 °C
TDS measuring range	—	0,01 ppm...199,9 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	2 x 1,5V batterieS AAA	2 x 1,5V batterieS AAA
Battery life	> 300 hours	> 300 hours
Warranty	6 months	6 months
Dimensions ( $\varnothing$ x L) mm	40 x 200	40 x 200
Weight	105 g	105 g



Display pH 1



Display COND 1



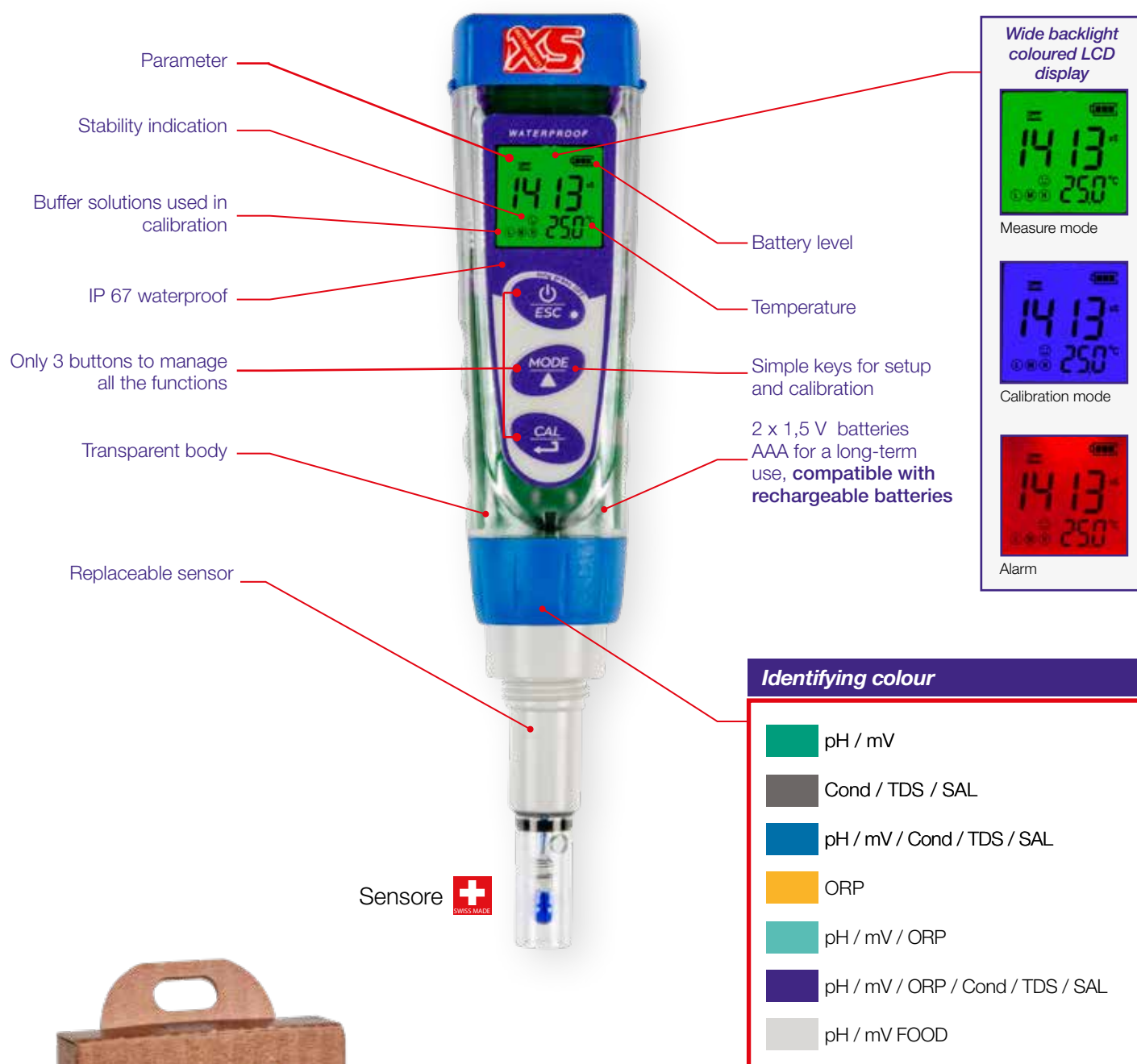
Tester kit Ecopack

## How to order

50014013	<b>pH 1 tester KIT</b> includes: meter, 1 x 25ml pH 7 and pH 4 coloured buffer solutions, electrode storage solution, string for neck, tissue, 2 x 1,5V AAA batteries, cardboard case.
50014163	<b>COND 1 tester KIT</b> includes: meter, 1 x 25ml 1413 $\mu$ S and 12.88 mS standard solutions, string for neck, tissue, 2 x 1,5V AAA batteries, cardboard case.
50014003	<b>pH 1 tester Ecopack</b> includes: meter, string for neck, tissue, 2 x 1,5V AAA batteries
50014153	<b>COND 1 tester Ecopack</b> includes: meter, string for neck, tissue, 2 x 1,5V AAA batteries

# Tester series 5

with replaceable electrode



PC 5 kit cardboard case



Tester kit Ecopack

# pH 5

pH / mV / °C



Sensor



## Main features

- pH range : -2...16 pH, resolution 0.01 pH
- 1...3 calibration points, 5 USA buffers memorized
- mV function for pH electrode quality test

	pH 5
pH measuring range	-2...16
Resolution	0,01
Accuracy	± 0,01
Calibration points	1...3
Buffers auto recognition	5 USA buffers
Indication of calibration points	Yes
Stability indication	Yes
Electrode status alarm	Yes
mV (pH) measuring range	- 1000 mV... + 1900 mV
Resolution	0,1 mV / 1 mV (automatic scale)
Temperature measuring range	0...60 °C
Resolution / Accuracy	0.1 °C / ± 0.2 °C
Unit	°C/°F
Auto off	after 8 minutes
Display	3 colors backlight LCD
IP protection	IP 67
Power supply	2 x 1,5V batteries AAA
Battery life	> 200 hours
Warranty - electronic parts	1 year
Warranty - sensor	6 months
Dimensions (Ø x L) mm	40 x 200
Weight	110 g



Battery compartment



PH 5

## How to order

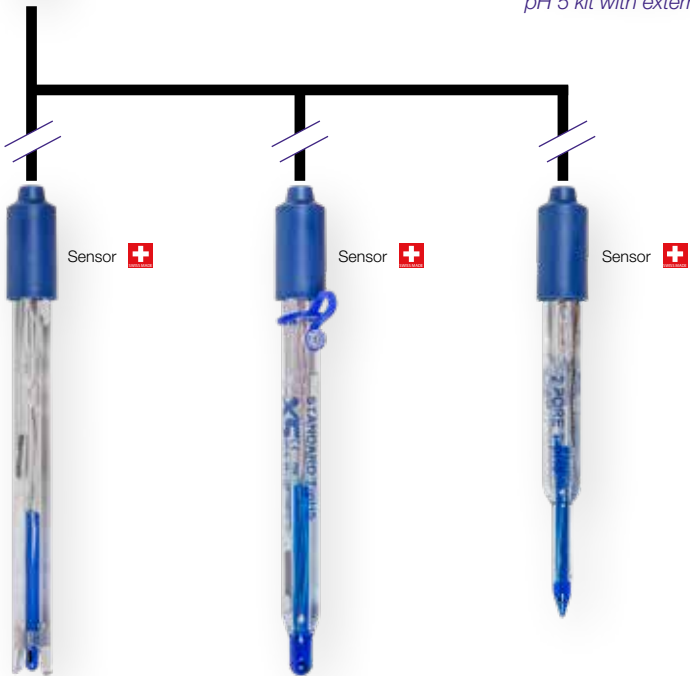
50014063	<b>pH 5 tester KIT</b> , includes: meter, 1 x 25ml pH 7 and pH 4 coloured buffer solutions, electrode storage solution, string for neck, tissue, 2 x 1,5V AAA batteries, cardboard case
50014053	<b>pH 5 tester Ecopack</b> , includes: meter, string for neck, 2 x 1,5V AAA batteries
50014073	<b>pH 5 tester KIT only body</b> , includes: meter, 1 x 25ml pH 7 and pH 4 coloured buffer solutions, electrode storage solution, string for neck, tissue, 2 x 1,5V AAA batteries, cardboard case. <b>Without sensor.</b>
50014403	<b>Replacement electrode for pH 5</b> , with temperature sensor integrated.
50014273	<b>Plastic Case OPTIONAL - pH version</b> - includes: 1 x 55ml pH 7 and pH 4 coloured buffer solutions, electrode storage solution, string for neck, tissue, 2 x 1,5V AAA batteries



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 (plastic case is optional)*



*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 x 25ml pH 7 and pH 4 colored buffer solutions, electrode storage solution, string for neck, tissue, 2 x 1,5V AAA batteries, cardboard 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 meat and cheese.</b> pH 0 ... 14 temperature 0 ... 60 ° C, 1 m fixed cable with connector for Tester pH 5

# pH 5 FOOD

pH / mV / °C



Sensor



## Main features

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

	pH 5 FOOD
<b>pH</b> measuring range	-2...16
Resolution	0,01
Accuracy	± 0.01
Calibration points	1...3
Buffers auto recognition	5 USA buffers
Indication of calibration points	Yes
Stability indication	Yes
Electrode status alarm	Yes
<b>mV</b> (pH) measuring range	- 1000 mV ... + 1900 mV
Resolution	0,1 mV / 1 mV (automatic scale)
<b>Temperature</b> measuring range	0...60 °C
Resolution / Accuracy	0,1 °C / ± 0,2 °C
Unit	°C / °F
Auto off	after 8 minutes
Display	3 colors backlight LCD
IP protection	IP 67
Power supply	2 x 1,5V batteries AAA
Battery life	> 200 hours
Warranty - electronic parts	1 year
Warranty - sensor	6 months
Dimensions (Ø x L) mm	40 x 210
Weight	140 g



pH 5 FOOD - penetration electrode



Optional plastic case kit

## How to order

50014113	<b>pH 5 FOOD tester KIT</b> , includes: meter, 1 x 25ml pH 7 and pH 4 coloured buffer solutions, electrode storage solution, string for neck, tissue, 2 x 1,5V AAA batteries, cardboard case.
50014423	<b>Replacement electrode for pH 5</b> , with temperature sensor integrated.
50014273	<b>Plastic Case OPTIONAL - pH version</b> - includes: 1 x 55ml pH 7 and pH 4 coloured buffer solutions, electrode storage solution, string for neck, tissue, 2 x 1,5V AAA batteries

# COND 5

## Cond / TDS / Salinity / °C



### Main features

- COND range: 0,01 µS...199,9 mS
- 1...3 calibration points, 3 buffers memorized
- Reference temperature 20 / 25°C, selectable

	COND 5
<b>COND</b> measuring range	0,01 µS...199,9 mS
Resolution	Automatic scale
Accuracy	± 2 % full scale
Calibration points	1...3
Buffers auto recognition	84 µS / 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	0,01 ppm...199,9 ppt
Resolution	Automatic scale
TDS factor	0.40...1.00
Accuracy	± 2 % full scale
<b>Salinity</b> measuring range	0,01 mg/l ...100,0 g/l
<b>Temperature</b> measuring range	0...60 °C
Resolution / Accuracy	0,1 °C / ± 0,2 °C
Unit	°C / °F
Auto off	After 8 minutes
Display	3 colors backlight LCD
IP protection	IP 67
Power supply	2 x 1,5V batteries AAA
Battery life	> 200 hours
Warranty - electronic parts	1 year
Warranty - sensor	6 months
Dimensions (Ø x L) mm	40 x 200
Weight	110 g

Sensor 



Kit COND 5



COND 5 Ecopack



Soil conductivity with VPT Soil

### How to order

50014213	<b>COND 5 tester KIT</b> , includes: meter, 1 x 25 ml buffer solutions 1413µS and 12.88 mS, string for neck, tissue, 2 x 1,5V AAA batteries, cardboard case.
50014203	<b>COND 5 tester Ecopack</b> , includes: meter, string for neck, 2 x 1,5 V AAA batteries
50014223	<b>COND 5 only body of the instrument</b> , includes: meter, 1 x 25 ml buffer solutions 1413µS and 12.88 mS, string for neck, tissue, 2 x 1,5V AAA batteries, cardboard case. <b>Without sensor</b>
50014413	<b>Replacement sensor for COND 5</b>
50014703	<b>Conductivity cell 2301 T - COND 5</b> , C=1, 2 electrodes with temperature sensor integrated, epoxy body, cable 1 m lenght, measuring range 10µS...100 mS
50014713	<b>Cell VPT Soil COND 5 conductivity cell</b> with temperature sensor, C=1, for measures in soil, measuring range 10 µS...50 mS, cable 1,5 m lenght for COND 5

# PC 5

pH / mV (pH) / Cond / TDS / Salinity / °C



Sensor



## Main features

- 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: 0,01  $\mu$ S ... 199,9 mS
- 1...3 points of calibration, 3 conductivity buffers memorized
- Reference temperature 20/25°C, selectable

	PC 5
<b>pH</b> measuring range	-2...16
Resolution	0,01
Accuracy	$\pm$ 0,01
Calibration points	1...3
Buffers auto recognition	5 buffers USA
Indication of calibration points	Yes
Stability indication	Yes
Electrode status alarm	Yes
<b>mV</b> (pH) measuring range	-1000 mV ... +1900 mV
Resolution	0,1 mV / 1 mV (automatic scale)
<b>COND</b> measuring range	0,01 $\mu$ S...199,9 mS
Resolution	Automatic scale
Accuracy	$\pm$ 2 % full scale
Calibration points	1...3
Buffers auto recognition	84 $\mu$ S / 1413 $\mu$ S / 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	0,01 ppm...199,9 ppt
Resolution	Automatic scale
TDS factor	0,40...1,00
Accuracy	$\pm$ 2 % full scale
<b>Salinity</b> measuring range	0,01 mg/l ...100,0 g/l
<b>Temperature</b> measuring range	0...60 °C
Resolution / Accuracy	0,1 °C / $\pm$ 0,2 °C
Unit	°C / °F
Auto off	After 8 minutes
Display	3 colors backlight LCD
IP protection	IP 67
Power supply	2 x 1,5V batteries AAA
Battery life	> 200 hours
Warranty - electronic parts	1 year
Warranty - sensor	6 months
Dimensions (Ø x L) mm	40 x 200
Weight	110 g



PC 6 kit



PC 5 Ecopack

## How to order

50014263	<b>PC 5 tester KIT</b> , includes: meter, 1 x 25 ml pH 7 and pH 4 buffer solution, 1 x 25 ml 1413 $\mu$ S e 12,88 mS buffer solution, electrode storage solution, string for neck, tissue, 2 x 1,5V AAA batteries, cardboard case.
50014253	<b>PC 5 Ecopack</b> , includes : meter, string for neck, 2 x 1,5V AAA batteries, cardboard case.
50014433	<b>Replacement sensor for PC 5</b>
50014283	<b>Plastic case OPTIONAL - PC version</b> - includes: 1 x 55 ml pH 7 and pH 4 buffer solution, 1 x 55 ml standard solution 1413 $\mu$ S, electrode storage solution, string for neck, tissue, 2 x 1,5V AAA batteries

# PC 6

pH / mV(pH) / mV(Orp) / Cond / TDS / Salinity / °C



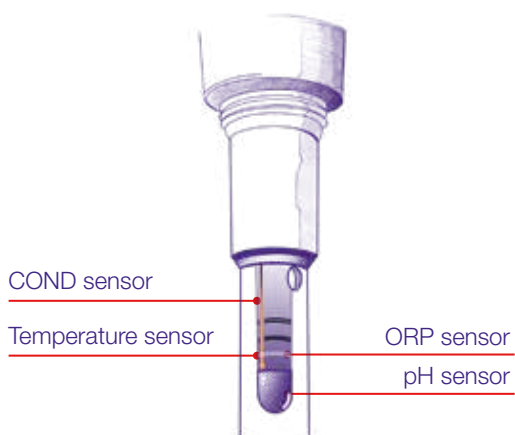
Sensor



## Main features

- 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 range: -1000...+1900 mV
- ORP calibration on 1 point, defined by the user
- COND range: 0,01 µS ...199,9 mS
- 1...3 points of calibration, 3 conductivity buffers memorized
- Reference temperature 20/25°C, selectable

	PC 6
<b>pH</b> measuring range	-2...16
Resolution	0,01
Accuracy	± 0,01
Calibration points	1...3
Buffers auto recognition	5 buffers USA
Indication of calibration points	Yes
Stability indication	Yes
Electrode status alarm	Yes
<b>mV</b> (pH) measuring range	-1000 mV ... +1900 mV
Resolution	0,1 mV / 1 mV (automatic scale)
<b>mV</b> (ORP) measuring range	-1000 mV ... +1900 mV
Resolution	0,1 mV / 1 mV (automatic scale)
Calibration points	1 defined by the user
<b>COND</b> measuring range	0,01 µS...199,9 mS
Resolution	Automatic scale
Accuracy	± 2 % full scale
Calibration points	1...3
Buffers auto recognition	84 µS / 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	0,01 ppm...199,9 ppt
Resolution	Automatic scale
TDS factor	0,40...1,00
Accuracy	± 2 % full scale
<b>Salinity</b> measuring range	0,01 mg/l ...100,0 g/l
<b>Temperature</b> measuring range	0...60 °C
Resolution / Accuracy	0,1 °C / ± 0,2 °C
Unit	°C / °F
Auto off	After 8 minutes
Display	3 colors backlight LCD
IP protection	IP 67
Power supply	2 x 1,5V batteries AAA
Battery life	> 200 hours
Warranty - electronic parts	1 year
Warranty - sensor	6 months
Dimensions (Ø x L) mm	40 x 200
Weight	110 g



Optional plastic case kit

## How to order

50014293	<b>PC 6 tester KIT</b> , includes: meter, 1 x 25 ml pH 7 and pH 4 buffer solution, 1 x 25 ml 1413 µS e 12,88 mS buffer solution, 475 mV ORP buffer solution, electrode storage solution, string for neck, tissue, 2 x 1,5V AAA batteries, cardboard case.
50014483	<b>Replacement sensor for PC 6</b>
50014283	<b>Plastic case OPTIONAL - PC version</b> - includes: 1 x 55 ml pH 7 and pH 4 buffer solution, 1 x 55 ml standard solution 1413 µS, electrode storage solution, string for neck, tissue, 2 x 1,5V AAA batteries

# ORP 5

mV (ORP) / °C



## Main features

- ORP range: -1000...+1900 mV
- ORP calibration on 1 point defined by the user
- Temperature range: 0...60 °C
- Replaceable sensor

ORP 5	
<b>mV (ORP) measuring range</b>	-1000 mV ...+1900 mV
Resolution	0.1 mV / 1 mV (automatic scale)
Stability indication	Yes
<b>Temperature measuring range</b>	0...60 °C
Resolution	0,1 °C / ± 0,2 °C
Unit	°C / °F
Auto off	After 8 minutes
Display	3 colors backlight LCD
IP protect	IP 67
Power supply	2 x 1,5V batteries AAA
Battery life	> 200 hours
Warranty - electronic parts	1 year
Warranty - sensor	6 months
Dimensions (Ø x L) mm	40 x 200
Weight	110 g

Sensor



## How to order

50014313	<b>ORP 5 tester KIT</b> , includes: meter, 1 x 75 ml ORP buffer solution 475 mV , electrode storage solution, string for neck, tissue, 2 x 1,5V AAA batteries, cardboard case
50014443	<b>Replacement sensor for ORP 5</b>

# PX 4

pH / mv (pH) / mV (ORP) / °C



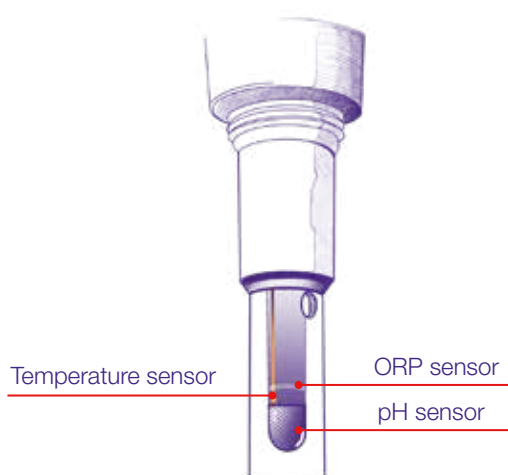
Sensor



## Main features

- 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 range: -1000...+1900 mV
- ORP calibration on 1 point defined by the user

	PX 4
<b>pH</b> measuring range	-2...16
Resolution	0,01
Accuracy	± 0,01
Calibration points	1...3
Buffers auto recognition	5 buffers USA
Indication of calibration points	Yes
Stability indication	Yes
Electrode status alarm	Yes
<b>mV (pH)</b> measuring range	-1000 mV ... +1900 mV
Resolution	0,1 mV / 1 mV (automatic scale)
<b>mV (ORP)</b> measuring range	-1000 mV ... +1900 mV
Resolution	0,1 mV / 1 mV (automatic scale)
Calibration points	1 defined by the user
<b>Temperature</b> measuring range	0...60 °C
Resolution / Accuracy	0,1 °C / ± 0,2 °C
Unit	°C / °F
Auto off	After 8 minutes
Display	3 colors backlight LCD
IP protection	IP 67
Power supply	2 x 1,5V batteries AAA
Battery life	> 200 hours
Warranty - electronic parts	1 year
Warranty - sensor	6 months
Dimensions (Ø x L) mm	40 x 200
Weight	110 g



PX 4 kit

## How to order

50014143	<b>PX 4 tester KIT</b> , includes: meter, 1 x 25 ml pH 7 and pH 4 buffer solution, 475 mV ORP buffer solution, electrode storage solution, string for neck, tissue, 2 x 1,5V AAA batteries, cardboard case.
50014463	<b>Replacement sensor for PX 4</b>

# ACCESSORIES

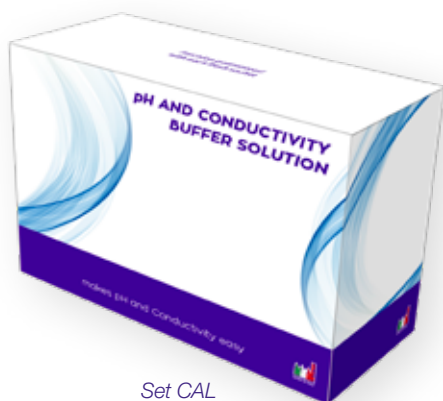
## Replacement sensors

50014403	Replacement electrode for tester <b>pH5</b>
50014413	Replacement sensor for tester <b>COND 5</b>
50014433	Replacement sensor for tester <b>PC 5</b>
50014423	Replacement electrode for tester <b>pH 5 FOOD</b>
50014443	Replacement sensor for tester <b>ORP 5</b>
50014463	Replacement sensor for tester <b>PX 4</b>
50014483	Replacement sensor for tester <b>PC 6</b>



## Set of calibration buffer solutions, in sachets 25 ml

51102203	Set CAL pH BIS 1x20 SACHETS 25ml (10 x pH 4.01/7.00)
51102213	Set CAL pH TRIS 1x20 SACHETS 25ml (7 x pH 4.01/7.00 + 6 x pH 10.01)
51102223	Set CAL COND 1x20 SACHETS 25ml (10 x EC 1413/12880µS/cm)
51102233	Set CAL PC 1x20 SACHETS 25ml (7 x pH 4.01/7.00 + 6 x EC 1413µS/cm)
51102243	REPLACEMENT Set for pH 1x20 SACHETS 25ml (6 x pH 4.01/7.01/H <sub>2</sub> O + 2 x Storage)
51102253	REPLACEMENT Set for COND 1x20 SACHETS 25ml (7 x EC 1413/12880µS/cm + 6 x H <sub>2</sub> O 10ml)
51102263	REPLACEMENT Set for PC 1x20 SACHETS 25ml (5 x pH 4.01/7.01/EC 1413µS/cm + 3 x H <sub>2</sub> O + 2 x Storage 10ml)
32383153	Buffer solution ORP + 475 mV / 25 °C - 75 ml



Set CAL



Sachets 25 ml

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s.r.l.

