



Water analysis serves to determine the microbiological, physical and chemical parameters that describe the characteristics of a tested sample. The qualitative requirements change according to the range of application. The more simple water analysers for domestic use are totally sufficient when checking the pH value of water in aquariums or fish farms. We offer equipment to measure the parameters of water and wastewater in the form of testers, pocket meters, hand-held meters and table-top devices but also industrial instruments for the continuous analysis of water and wastewater. The most common water analysers are: pH meters, conductivity meters, photometers, turbidity meters, thermometers chemical testing kits. With their high accuracy and reproducibility, these meters for water quality tests are top-quality devices. Our technicians and engineers are happy to assess your needs and recommend the best suited water analysis meter for you.

PCE-PH 22

Stick-Shaped Pocket pH Meter

- simultaneous measurement of pH and temperature
- automatic temperature compensation
- saves up to 100 values at the push of a button
- Hold function / MIN / MAX / Automatic Power Off
- automatic calibration at pH 4, 7 or 10
- waterproof (IP 67)



TOP seller

TECHNICAL SPECIFICATIONS

Meas. range	pH	0 ... 14
	Temp.	-5 ... +80 °C
Resolution	pH	0.01
	Temp.	0.1 °C
Accuracy	pH	±0.02
	Temp.	±0.8 °C
Calibration	pH	at 4, 7 or 10 pH
	Temp.	---
Temperature compensation		-5 ... +80 °C
Power supply		4 x 1.5 AAA batteries
Operating conditions		0 ... +60 °C / <80 % RH
Dimensions / weight		86 x 40 mm / 130 g

INCLUDES

pH meter, calibration solution pH 4 + pH 7, batteries, instruction manual

ITEM NO. ITEM

K-PCE-PH 22 pH meter

OPTIONAL ACCESSORIES

K-PCE-PH-47	calibration kit pH 4 + pH 7
K-ES-PH-22	spare electrode
K-HI 70300L	electrode storage solution

GPH 014

Mini pH Meter

- temperature compensation (0 ... +90 °C)
- waterproof according to IP 67, 9 V battery
- compact and robust ABS case
- calibration via potentiometer



TECHNICAL SPECIFICATIONS

Meas. range - Device		0 ... 14 pH
	- Electrode	2 ... 12 pH
Resolution		0.01 pH
Accuracy - Device		±0.02 pH ±1 dgt (at 25 °C)
	- Electrode	±0.1 pH
Input resistance		10 TΩ
Connection		cinch
Electrolyte		3 mol / l KCL
pH electrode		with 1 m cable
Display		3 1/2 digits, 13 mm height
Power supply		9 V battery, battery life 200 h
Operating temperature		0 ... +45 °C
Dimensions / weight		106x67x30 mm/approx. 200 g

INCLUDES

Digital mini pH meter, electrode, battery, instruction manual

ITEM NO. ITEM

K-GPH 014 digital pH meter

OPTIONAL ACCESSORIES

K-GAK 1400	calibration set
K-GE 100 BNC	pH electrode

PCE-PH20S

pH Meter for Soil

- special pH electrode / waterproof (IP 67)
- includes calibration solution pH 4 + 7
- automatic calibration at pH 4, 7 or 10
- Automatic Power Off to save battery consumption
- probe connection with BNC plug



TECHNICAL SPECIFICATIONS

Measurement range	0 ... 14 pH
Resolution	0.01 pH
Accuracy	±0.07 pH (5 ... 9 pH)
	±0.1 pH (4 ... 4.9 / 9.1 ... 10 pH)
	±0.2 pH (1 ... 3.9 / 10.0 ... 13 pH)
Calibration	automatic at pH 4, 7 or 10
Automatic Power Off	yes
Power supply	4 x 1.5 V batteries AAA (incl.)
Operating conditions	0 ... +60 °C / <80 % RH
Dimensions / weight	180 x 40 mm / 220 g

INCLUDES

pH meter, electrode, calibration solution pH 4 + pH 7, batteries, instruction manual

ITEM NO. ITEM

K-PCE-PH20S pH meter

OPTIONAL ACCESSORIES

K-PCE-PH-ES	spare pH electrode
K-PCE-PH-47	calibration kit pH 4 / pH 7
K-HI 721319	auger for ground penetration
K-HI 70300L	electrode storage solution
K-HI 7061L	universal cleaning solution
K-BOX-LT1	carrying case

PCE-228-Kit

pH meter for water / temperature, with SD memory card

- SD card (1 ... 16 GB) / RS-232 interface for data transfer
- measured values are directly saved to the SD card as an Excel file (no software is needed for evaluation)
- adjustable measurement range
- includes PE-03 pH electrode and stainless steel temperature sensor
- automatic calibration / manual or automatic temperature compensation



TOP
seller

TECHNICAL SPECIFICATIONS

Meas. range	0.00 ... 14.00 pH -1,999 ... +1,999 mV 0 ... +65 °C
Resolution	(optional redox electrode) 0.01 pH 1 mV 0.1 °C
Accuracy	±0.02 pH +2 dgt / ±0.5 % +2 dgt / ±0.5 °C
Calibration	automatic 2- or 3-point calibration
Temp. compens.	automatic 0 ... +65 °C / manual 0 ... +100 °C
Electrode	pH electrode PE-03, filled with gel, 1 m cable, BNC plug
Sampling rate	1 s ... 9 h
Display	LC display 52 x 38 mm
Memory	SD card up to 16 GB
Interface	RS-232
Power supply	6 x 1.5 AA batteries or optional mains adaptor
Oper. conditions	0 ... +50 °C / max. 85 % RH
Dimensions	177 x 68 x 45 mm
Weight	490 g

INCLUDES

pH meter, pH electrode PE-03, SD card (2GB),
card reader, temperature sensor, calibration solution pH
4 & 7, carrying case, batteries, instruction manual

ITEM NO. ITEM

K-PCE-228-Kit pH meter kit

OPTIONAL ACCESSORIES

K-PE-03	pH electrode
K-TP-07	temperature sensor
K-ORP-14	REDOX electrode
K-CPC-OSH-12-01	pH electrode for food
K-CPC-OSH-12-00SP	replacement probe for food electrodes
K-SOFT-LUT-B02	data cable + software
K-RS232-USB	RS-232 to USB adaptor
K-NET-LUT	9 V / 1 A mains adaptor
K-SOFT-LUT-USB	USB cable incl. software
K-PCE-PH-47	calibration solution pH 4/7
K-HI 7020M	redox test solution
K-HI 7061L	universal cleaning solution
K-HI 70300L	electrode storage solution
K-BOX-LT1	carrying case

PCE-228M

pH Meter for Food

- pH electrode with stainless steel blade
- SD memory card 1 ... 16 GB possible, 2 GB incl.
- RS-232 interface
- measures pH value and temperature simultaneously
- incl. pH electrode for meat and temperature sensor
- manual calibration / automatic temperature compensation



TECHNICAL SPECIFICATIONS

Meas. range	0.00 ... 14.00 pH -1,999 ... +1,999 mV (optional redox electrode) 0 ... +65 °C
Resolution	0.01 pH / 1 mV / 0.1 °C
Accuracy	±0.02 pH / ±0.5 % / ±0.5 °C
Calibration	automatic, 2 or 3 points
Temp. comp.	autom. 0 ... +65 °C / man. 0 ... +100 °C
Electrode	CPC-OSH-12-01 / stainl. steel blade/ 1 m cable / BNC plug / 0 ... 60 °C
Sampling rate	1 s ... 9 h
Memory	SD card up to 16 GB / 2 GB incl.
Power supply	6 x 1.5 V batteries AA or mains adaptor
Oper. conditions	0 ... +50 °C / max. 85 % RH
Dimens. / weight	177 x 68 x 45 mm / 490 g

INCLUDES

pH meter, electrode CPC-OSH-12-01, SD card,
temperature sensor, card reader, batteries, manual

ITEM NO. ITEM

K-PCE-228M pH meter

OPTIONAL ACCESSORIES

⚠ For accessories, see PCE-228-Kit

PCE-228-R

Redox Meter

- measures redox potential and temperature
- SD memory card 1 ... 16 GB possible, 2 GB incl.
- RS-232 interface
- displays redox and temperature simultaneously
- includes redox electrode ORP-14 and temp. sensor
- automatic temperature compensation



TECHNICAL SPECIFICATIONS

Meas. range	-1,999 ... +1,999 mV 0.00 ... 14.00 pH (pH electrode optional) / 0 ... +65 °C
Resolution	1 mV / 0.01 pH / 0.1 °C
Accuracy	±0.5 % / ±0.02 pH / ±0.5 °C
Calibration	automatic, 2 or 3 points
Temp. comp.	autom. 0 ... +65 °C / man. 0 ... +100 °C
Electrode	redox electrode ORP-14, 1 m cable & BNC plug
Sampling rate	1 s ... 9 h
Memory	SD card up to 16 GB / 2 GB included
Power supply	6 x batteries AA 1.5 V or mains adaptor
Oper. cond.	0 ... +50 °C / max. 85 % RH
Dimens. / weight	177 x 68 x 45 mm / 490 g

INCLUDES

Redox meter, redox electrode ORP14, SD card, card
reader, temperature sensor, batteries, manual

ITEM NO. ITEM

K-PCE-228-R redox meter

OPTIONAL ACCESSORIES

⚠ For accessories, see PCE-228-Kit

PCE-CM 41

Conductivity Meter with 2 Ranges

- 2 ranges for high accuracy
- automatic calibration at 1,413 µS/cm
- measures conductivity (EC), Total Dissolved Solids (TDS) and temperature
- Automatic Power Off to save battery consumption
- waterproof (IP 67)



TECHNICAL SPECIFICATIONS

Range	Conductiv.	0 ... 2,000 µS/cm 0 ... 20 mS/cm
	TDS	2,000 ppm; 20,000 ppm
	Temp.	0 ... +60 °C
Resolution	Conductiv.	1 µS/cm; 0.01 mS/cm
	TDS	1 ppm (<1,320 ppm>) 10 ppm
	Temp.	0.1 °C
Accuracy	Cond. /TDS	±3 %;
	Temp.	±0.8 °C
Calibration	Conductiv.	1413 µS/cm;
	Temp.	- - -
Power s.		4 x 1.5 V AAA batteries
Oper. cond.		0 ... +60 °C / <80 % RH
Dimens. / w.		186 x 40 mm / 130 g

INCLUDES

Conductivity meter, batteries, instruction manual

ITEM NO. ITEM

K-PCE-CM 41 conductivity meter

OPTIONAL ACCESSORIES

K-PCE-CD-14 calibration solution 1,413 µS/cm

PCE-SM 11

Salt Meter up to 12 %

- measurement range up to 12 %
- automatic temperature compensation
- MIN / MAX / Hold function
- Automatic Power Off to save battery consumption
- powered by four 1.5 V batteries
- waterproof (IP 67)



TECHNICAL SPECIFICATIONS

Measurement range	0.0 ... 12.0 weight -% (weight per cent)
Resolution	0.01 %
Accuracy	±0.5 %
Temp. compensation	automatic from 0 ... +50 °C
Protection class	IP 64
Power supply	4 x 1.5 V AAA batteries
Functions	MIN / MAX / Hold function Automatic Power Off
Operating conditions	0 ... +60 °C <80 % RH
Dimensions	190 x 40 mm
Weight	171 g

INCLUDES

Salt meter, batteries, instruction manual

ITEM NO. ITEM

K-PCE-SM 11 salt meter

Note:

when mixing the calibration solution yourself: fill 5 g of
salt NaCL into a measuring cup and add water to make
up 100 ml. The result is a solution of 5 %.

GLF100

Pocket-Size Conductivity Meter

- 3 conductivity measurement ranges
- low power consumption
- automatic measurement range changeover
- MIN / MAX value memory
- automatic temperature compensation via integrated temperature sensor
- Hold function
- adjustable



TECHNICAL SPECIFICATIONS

Measurement range	0 ... 2,000 µS/cm, 0,00 ... 20,00 mS/cm, 0,0 ... 100,0 mS/cm
-Conductivity	0 ... 2,000 mg/l
-TDS:	0 ... 50,0 g/kg
-Salinity:	-10,0 ... +110,0 °C, switchable to °F
-Temperature:	
Accuracy	±0.5 % of reading ±0.5 % full scale
-Cond., TDS, salinity	±0.3 K
-Temperature:	
Temp. compensation	OFF or nLF (non-linear temp. compensation) acc. to EN27888
Cell constant	0,800 ... 1,200; adjustable
Additional functions	BAT, MIN / MAX value, Auto Power Off, Hold, Offset, Scale
Display	approx. 11 mm height, 4-digit LCD with additional segments
Operating conditions	device: -25 ... +50 °C electrode: -5 ... +80 °C (for a short time 100 °C)
Power supply	9 V battery, type 6F22 / <1.5 mA / approx. 200 h battery life
Dimensions	case: 110 x 67 x 30 mm (L x W x H)
Electrode	2-pole graphite electrode with integrated temperature sensor cell constant = 1.0; main body made of PPE dimensions: Ø 12 mm, 120 mm long, cable length 1.2 m

INCLUDES

Conductivity meter with conductivity electrode, calibration protocol, battery, manual

ITEM NO.	ITEM
K-GLF100	conductivity meter

PCE-PHD 1

Measures pH Value, Conductivity, Oxygen, Salt and Temp.

- measured values are saved to an SD card in real time (1 ... 16 GB) as an Excel file
- no software required for evaluation
- automatic temperature compensation 0 ... +60 °C (with optional temp. sensor)
- measures pH value, redox potential, conductivity (electrodes included), oxygen and temperature (electrodes optional)



TECHNICAL SPECIFICATIONS

M. range	pH 0.00 ... 14.00 pH	EC 0 ... 200.0 mS/cm (4 ranges)	
	Redox 0 ... ±1,999 mV	O ₂ 0 ... 20.0 mg/l	Temp. 0 ... +60.0 °C
Resol.	pH 0.01 pH	EC 0.1 µS/cm ... 0.1 mS/cm	
	Redox 1 mV	O ₂ 0.1 mg/l	Temp. 0.1 °C
Accuracy	pH ±0.02 pH +2 dgt	EC ±2 % of meas. range +1 dgt	
	Redox ±0.5 % +2 dgt	O ₂ ±0.4 mg/l	Temp. ±0.8 °C
Calibr.	pH 2 / 3 points	EC 1413 µS/cm	O ₂ in air
Sampling rate	1 s ... 9 h		
Interface	RS-232		
Power supply	6 x 1.5 AA batteries or mains adaptor		
Oper. conditions	0 ... +50 °C / max. 85 % RH		
Dimens. / weight	177 x 68 x 45 mm / 490 g		

INCLUDES

pH meter / conductivity meter, pH electrode, conductivity electrode, 2 GB SD card, card reader, batteries, instruction manual

ITEM NO.	ITEM
K-PCE-PHD 1	pH meter / conductivity meter

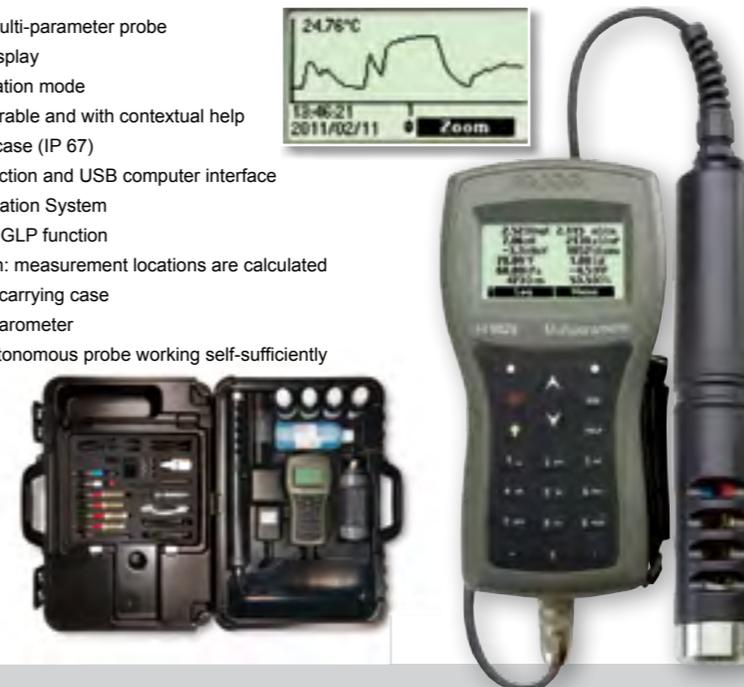
OPTIONAL ACCESSORIES

K-SOFT-LUT-USB	USB data cable incl. software
K-TP-07	temperature sensor
K-OXPB-11	oxygen probe
K-PCE-PH-47	calibration kit pH 4 and pH 7
K-PCE-CD-14	calibration kit 1.413 µS/cm

HI 9829-xxxxx

Multi-Parameter Water Quality Analyser (14 Parameters)

- intelligent multi-parameter probe
- graphical display
- quick calibration mode
- fully configurable and with contextual help
- waterproof case (IP 67)
- memory function and USB computer interface
- Tag Identification System
- easy to use GLP function
- GPS system: measurement locations are calculated
- comes with carrying case
- integrated barometer
- optional: autonomous probe working self-sufficiently



TECHNICAL SPECIFICATIONS

pH	Measurement range 0.00 ... 14.00 pH	
	Resolution 0.01 pH	
	Accuracy ±0.02 pH	
pH / mV	Measurement range ±600.0 mV	
	Resolution 0.1 mV	
	Accuracy ±0.5 mV	
Redox	Measurement range ±2,000.0 mV	
	Resolution 0.1 mV	
	Accuracy ±1.0 mV	
Dissolved oxygen	Measurement range 0.0 ... 500.0 % / 0.00 ... 50.00 mg/l	
	Resolution 0.1 % / 0.01 mg/l	
	Accuracy ±1.5 % ... 3 % of reading	depending on measurement range
Resistance	Measurement range 0 ... 999.999 Ω·cm; 0 ... 1,000.0 kΩ·cm; 0 up to 1.0000 MΩ·cm	
	Resolution depending on resistance reading	
Cable	4 m long	
Temp. compens.	automatic, from -5 ... +55 °C	
Memory	44,000 records	

	in 100 measuring groups
Sampling rate	1 s ... 3 h
PC Interface	USB
Protection class	case: IP 67 / sensor: IP 68
Power supply	4 x 1.5 V C / 4 x 1.2 V Ni-MH C
Operating conditions	0 ... +50 °C / 0 ... 10 % RH
Dimensions	device: 221 x 115 x 55 mm sensor: 270 x 46 mm
Weight	device: 750 g

INCLUDES

- Standard hand-held meter, multi-parameter probe with 4 m cable, USB cable, iButtons, mains cable, short protective cover, short calibration beaker, cable for cigarette lighter
- Hand-held meter with GPS, multi-parameter probe with 4 m cable, USB cable, iButtons, mains cable, short protective cover, short calibration beaker, cable for cigarette lighter
- Hand-held meter with GPS / turbidity, multi-parameter probe with 4 m cable, USB cable, iButtons, mains cable, short / long protective cover, short / long calibration beaker, cable for cigarette lighter, calibr. solution 500 ml, calibr. solution 0 FNU 230 ml / 20 FNU 230 ml / 200 FNU 230 ml

ITEM NO.	ITEM
K-HI9829-00042	standard device with 4 m cable
K-HI9829-10042	GPS device with 4 m cable
K-HI9829-11042	GPS & turbidity device with 4 m cable

OPTIONAL ACCESSORIES

REPLACEMENT SENSORS

K-HI 7609829-0	pH sensor, simple reference, not refillable
K-HI 7609829-1	pH / redox sensor
K-HI 7609829-2	sensor for dissolved oxygen
K-HI 7609829-3	conductivity sensor

QUICK CALIBRATION SOLUTION per 500 ml

K-HI 9828-25	quick calibration solution
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pH BUFFER SOLUTION per 500 ml

K-HI 7004L	buffer solution pH 4.01
K-HI 7006L	buffer solution pH 6.86
K-HI 7007L	buffer solution pH 7.01
K-HI 7009L	buffer solution pH 9.18
K-HI 7010L	buffer solution pH 10.01

REDOX SOLUTIONS per 500 ml

K-HI 7021L	redox test solution at 240 mV
K-HI 7022L	redox test solution at 470 mV
K-HI 7091L	reducing pre-treatment solution
K-HI 7092L	oxidising pre-treatment solution

OXYGEN SOLUTIONS

K-HI 7040L	zero oxygen solution, 500 ml
K-HI 7042S	electrolyte solution, 30 ml

CONDUCTIVITY CALIBRATION SOLUTIONS 500 ml

K-HI 7030L	solution 12,880 µS/cm
K-HI 7031L	solution 1,413 µS/cm
K-HI 7033L	solution 84 µS/cm
K-HI 7034L	solution 80,000 µS/cm
K-HI 7035L	solution 111,800 µS/cm
K-HI 7039L	solution 5,000 µS/cm

CALIBRATION SOLUTION TDS per 500 ml

K-HI 7032L	solution 1,382 ppm (mg/l)
K-HI 7036L	solution 12.41 ppt (g/l)

OTHER SOLUTIONS per 500 ml

K-HI 70300L	electrode storage solution
K-HI 7061L	cleaning solution

ACCESSORIES

K-HI 7698291	PC connection cable
K-HI 7698292	probe maintenance kit
K-HI 7698293	calibration beaker
K-HI 7698294	flow cell
K-HI 710045	adaptor cable
K-HI 710046	cable for cigarette lighter
K-HI 710006	12 V DC adaptor
K-HI 929829	Windows® software
K-HI 920005	5 x i-Button® with holder