

pHCore

Performing pH analysis has never been easier

Achieve rapid results with ease. pHCore offers fast and reliable pH measurements thanks to advanced algorithm technology. Features like stability control, automatic buffer recognition, automatic temperature compensation, AutoCal ensures accurate measurements in a quick amount of time.



Features

- Easy Key Operation: Mode, Cal, Stability control, OK, Scroll Navigation
- Large Easy-To-Read LCD Display
- Clear Status Icons and Indicators
- Simultaneous pH and Temperature Display, °C or °F
- Quick Review and Display of Electrode Calibration
- Meter Recognizes 16 Standard Buffers

Applications

- Academia Research and Teaching Labs
- Chemical Labs
- Environmental Labs
- Government Labs

Benefits

Ease your way through your daily pH routines

Germany quality - saves you time and puts you at ease knowing you will have reliably accurate results every time.

Seamless 2-point calibration routine

Set Autocal for easy recognition of daily buffer set and get to reading your pH sample faster.

Straight forward functions

You don't have to interpret the display anymore - Large display with easy to understand icons tell you instantaneously what your samples and systems are doing.

Specifications & Pricing

Model	pH	mV	Description
pHCoreA	✓	✓	pHCore Meter, Power Supply and Cover
pHCore-Kit	✓	✓	pHCore pH Kit Meter, Power Supply, Cover, and PY-P20 Electrode: Plastic Body, Gel Electrolyte, Ceramic Junction, Bulb Style

Common Specifications

Range /± Accuracy		
pH	-2.0 ... 20.0 ±0.1 pH	-2.00 ... 20.00 ±0.01 pH
mV	± 1200.0 ±0.3 mV	± 2000 ±1 mV
Temperature -5.0 ... +105.0 ± 0.1 °C , manually adjustable to 130 °C		

All models include BNC connector, power supply,, transparent cover, 4 AA batteries. Kits include electrode.

pHBasic Meters

Superior Results with Classic Functionality

Exceptional quality and reliable pH results are now within your reach. The pHBasic is a perfect benchtop meter for your basic everyday pH routines. Not only is it simple-to-use with classic interface design and intuitive icons, but it is faster due to optimized algorithms with harmonized measuring system of sensor with meter. The pHBasic is extremely reliable with real time indicators like ElectCheck, and Stability Control making this the classic go-to meter for any basic lab.



Features

- Classic no-fuss menus and intuitive operation
- Large LCD displays with simultaneous pH/mV & temperature
- Understandable status icons and indicators like Stability Control
- Automatic temperature compensation
- Automatic buffer recognition- up to 16 buffer sets
- Easy 1-2-3 point Calibration
- Quick access to electrode calibration data
- At a glance know your sensor efficiency & calibration integrity are intact/expired with ElectCheck

Applications

- Academia Research
- Industrial Labs
- Environmental Labs
- Government Labs

Benefits

Get superior results that are not complex

German quality that saves you time, provides faster reliable results but still maintains its user friendly and classic functionality for your basic everyday pH requirements.

Simple is better

Easy 1-2-3-point calibration routine, large LCD display, intuitive menu navigation, easy to understand indicators make for seamless pH routines.

Improve your pH workflows

With features such as ElectCheck and Stability Control, you do not have worry about the condition of your sensor, the integrity of your calibration or second guess when to take your reading. Know all of these at a simple glance.

ElectCheck is a sensor evaluation and calibration reminder. The sensor evaluation shows the electrode quality in increments. The integrity criteria are slope, zero point and reaction time. When the time interval has elapsed, an optical and an acoustical signal is activated.

Specifications & Pricing

Model	pH	mV	Description
pHBasic+A	✓	✓	pHBasic Meter only with Power Supply and Cover
pHBasic	✓	✓	pHBasic Meter, Power Supply, Cover, 3 buffers, Arm, no Electrode
pHBasic+Kit	✓	✓	pHBasic pH Kit. Meter, Power Supply, Cover, 3 Buffers, Arm, Electrode: PY-P10 General purpose - pH/ATC, Plastic Body, Liquid 3M KCl refillable, ceramic junction, Bulb style
pHBasic-Bio-Kit	✓	✓	pHBasic Bio Kit. Meter, Power Supply, Cover, 3 Buffers, Arm, Electrode: PY-P11 High Performance - pH/ATC, Glass Body, Liquid 3M KCl refillable, air flush platinum junction, TRIS compatible, break resistant conical shaped tip, ideal for biological applications
pHBasic+Food-Kit	✓	✓	pHBasic Food Kit. Meter, Power Supply, Cover, 3 Buffers, Arm, Electrode: PY-P27 Spearhead, pH, Glass Body, hole junction, polymer reference electrolyte, Spear style

Common Specifications

Range /± Accuracy			
pH	-2.0 ... 20.0 ±0.1 pH	-2.00 ... 20.00 ±0.01 pH	-2.000 ... 19.999 ±0.005 pH
mV	± 1200.0 ±0.3 mV	± 2000 ±1 mV	
Temperature	-5.0 ... +105.0 ± 0.1°C, manually adjustable to 130°C		

All models include BNC connector, power supply, transparent cover, 4 AA batteries. Kits include: 4,7,10 buffers ampules, arm and specified electrode.

pHBasic+ Meters

Experience Complete Functionality

Enjoy quick results due to innovative algorithms, superior accuracy with 5 point calibration features, and operate with full functionality with advanced communication & documentation feature. Direct data transmission through convenient USB PC interface allows data memory of up to 500 points to provide a convenient and easy way to manipulate pH results for analysis. The same great classic interface design, intuitive graphic icons, and indicators like ElectCheck and Stability Control round out this robust meter.



Features

- Full functionality with USB data transmission
- Recall and output of 500 data set memory
- Superior Accuracy with up to 5-point Calibration
- Easy-to-use menus and intuitive operation sets
- Sensor efficiency & calibration integrity with ElectCheck
- Clear status icons and indicators like Stability Control
- Large LCD display
- Automatic temperature compensation
- Automatic buffer recognition
- Programmable data collection

Reliable and fast communication interface. Transfer up to 500 data points using RS232 or USB to computer interface with no adaptors needed. Capture GLP time & date stamps and calibration record or printout quickly via RS232 or USB (slave).

Benefits

Complete functionality at your fingertips

Fast and accurate results, easy operation, and capacity to have direct data recall and transfer. A complete pack for your entire pH requirements.

Make your pH routines more efficient

Large LCD display, intuitive menu navigation and easy to understand indicators make for a seamless pH routine. ElectCheck and Stability Control know the conditions of your sensor, the integrity of your calibration at a simple glance.

Superior accuracy

Up to 5-point calibration gives a broader range in slope accuracy.

Specifications & Pricing

Model	Description
pHBasicA	pHBasic+. Meter only with Power Supply, Cover
pHBasic+	pHBasic+ Kit. Meter, Power Supply, Cover, Arm
pHBasic-Kit	pHBasic+ pH Kit. Meter, Power Supply, Cover, Arm, 3 Buffer, Electrode: PY-P10 General purpose - pH/ATC, Plastic Body, Liquid 3M KCl refillable, ceramic junction, Bulb Style
pHBasic+Bio-Kit	pHBasic+ Bio Kit. Meter, Power Supply, Cover, Arm, 3 Buffer, Electrode: PY-P28, Glass Body, Liquid Filled 3M KCl, 3x junction, Iodine/Iodide-reference system, length 170 mm
pHBasic-Food-Kit	pHBasic+ Food Kit. Meter, Power Supply, Cover, Arm, 3 Buffer, Electrode: PY-P30 Speartip, Glass Body, 3x ceramic junction

Common Specifications

pH	-2.0 ... 20.0 ± 0.1 pH -2.00 ... 20.00 ± 0.01 pH -2.000 ... 19.999 ± 0.005 pH
mV	$\pm(1200.0 \pm 0.3)$ mV $\pm(2000 \pm 1)$ mV
Temperature	-5.0 ... +105.0 ± 0.1 °C , manually adjustable to 130 °C

All models include BNC connector, power supply, transparent cover, 4 AA batteries. Kits include: 4,7,10 buffers ampules, arm and specified electrode

Pro Meters

Professional Performance with Complete Compliance

Pro is the most advanced meter to excel at your professional pH, conductivity, ISE and DO analyses. Be reassured, measurements have never been so accurate with German technology, wider ranges, auto cal and 5-point calibrations. Feel confident with data transfer, data storage and ElectCheck features that meet all your GLP regulatory requirements. Pro offers multi-parameter analysis options and is the whole package: quality, multi-functionality, documentation, & convenience – a true professional at work for you.

Features

- Exact measurements with wider measuring ranges and better accuracy specifications
- Advance GLP Documentation with time and date stamps
- Direct data transmission with RS232 and USB interfaces
- Automated calibration with up to 5 points
- Automatic buffer recognition out of 22 buffer sets



Benefits

Multi-functionality in One

Need advanced pH measurements, select Pro15. For conductivity, select Pro20. For an all-in-one meter, select Pro 50 and have it all: pH, ISE, DO, Conductivity and up to three parameters displayed simultaneously.

Complete Documentation

Feel confident and rely on wireless sensor recognition & user identification. User name can be assigned to each measured value. pHPro also complies with GLP requirements with administrator rights or user identification via an electronic ID card.

User Convenience

Large LCD display, Intuitive menu navigation, ElectCheck and Stability Control to know the conditions of your sensor, the integrity of your calibration and stability of your reading at a single glance.

	pH	mV	ISE	Cond.	DO	Temp.	Sensor/User ID
Pro15	✓	✓	✓			✓	✓
Pro20				✓		✓	
Pro50	✓	✓	✓	✓	✓	✓	✓

Specifications & Pricing

Model	Description
PR-15A	Pro 15 pH Meter, Power supply, Cover, Arm, 3 Buffers
PR-15-pH-Kit	Pro 15 pH Kit. Meter B&W backlit display, Power Supply, Cover, Arm, 3 Buffers, Manual, Electrode: PY-P11 High Performance – pH/ATC, Glass Body, Liquid 3M KCl refillable, air flush, 2X Junction, Platinum TRIS compatible, break resistant conical tip
PR-15-Bio-Kit	Pro 15 pH Bio Kit. Meter, B&W backlit display, Power supply, Cover, Arm, 3 Buffers, Manual, Electrode PY-P28 GoldLINE, pH/ATC, Glass Body, Liquid Filled 3M KCl, Platinum junction, TRIS Impervious, Iodine/Iodide-reference
PR-20A	Pro20 Conductivity. Meter with Power supply, Cover, Arm
PR-20-Con-Kit	Pro 20 Conductivity Kit. Meter, Power Supply, Cover, Arm, Conductivity Sensor: PY-C12 ATC, Multi-range, Target Configuration 1–200,000 µS/cm
PR-50A	Pro50 Multi-parameter. Meter with ID sensor Card. B&W Display. Menu Structured Handling. Recorder Function. Cond pH, mV, Temp, ISE, DO RS232- USB slave 1BNC . Incl. Power Supply. Cover, Arm, 3 Buffers
PR-50-Bio-Kit	Pro 50 Bio Kit. Meter with ID sensor Card. B&W Display. Menu Structured Handling. Recorder Function. pH, mV, Temp, ISE., Conductivity, DO RS232- USB slave 1BNC . Power Supply. Cover, Arm, 3 Buffers, Electrode PY-P28 GoldLINE, pH/ATC, Glass Body, Liquid Filled 3M KCl, Platinum junction, TRIS Impervious, Iodine/Iodide-reference

Common Specifications

	Pro15 & 50	Pro15 & 50	Pro20	Pro15 & 50	Pro50	Pro15, 20 & 50
Mode	pH	mV	Conductivity	ISE	Dissolve Oxygen	Temperature
Range	-2 ... 19.999	0...1200.0/2000	0 µS/cm ... 1000 mS/cm	0.000...999,999 mg/l	0...20.00mg/L	-10 ... 120.0
Resolution	± 0.1/0.01/0.001	± 0.1/1.0	±1 digit	± 0.001	± .1/0.01	± 0.1
Accuracy	±0.1/0.01/0.001	±0.3/1	± 0.50%	0.0...500,000 mg/l	0.01/1 %	± 0.1°C

All models include power supply, transparent cover, 4 AA batteries. Kits include: 4,7,10 buffers ampules, arm and specified electrode.

Electrodes & Accessories for Meters

Superior Sensors - Precise Results

Electrochemical analysis is one of the most frequent and demanding tasks in daily lab routines. Sartorius understands that measurements will differ based on compositions, temperatures, conductivities and viscosities of samples and it is these different conditions that set our electrodes apart from the rest. Whether for ultrapure water, jam, wine, TRIS Buffers, or drinking water, Sartorius has the right superior and dependable electrode for your sample types and application workflows.

Applications

- Cosmetics
- Agriculture
- Dairy
- Food & beverage
- Surface - skin and textiles
- Drinking water
- Detergents agents
- Pharmaceutical/Biotech/Clinical/Pharmacy
- Biology/Microbiology & Chemistry Lab
- Extreme and difficult samples

Benefits

The widest selection of choice. Now with the GoldLINE and PlatinumLINE electrodes Sartorius will meet any and all of your unique samples types and application requirements.

Patented junction and three chamber systems set sensors apart from the rest. Reduce and/or eliminate metal ion contamination and chelation. Ultimately minimizes damage to sensors, elongating the life of the electrodes, saving time and money. Increase productivity and mitigate faulty measurements.

The highest quality materials result in better precision and accuracy. The low resistance type A glass membranes are a perfect example of where quality materials interact with samples with less interference, yielding both speed and accuracy.

Liquid electrolyte electrodes with unique platinum junction and refill port slider for easier refilling and less evaporation of the electrolyte. Air flush cap system prevents clogs from forming.

Individual serial number on each electrode for clear identification.

Flexibility and convenience. Integrated and Non-integrated temperature sensor ATC or with ATC.

TRIS Compatibility and Impervious models available for Biological applications.



GoldLINE Electrodes

Superior stable results due to patented three chamber Iodine/Iodide metal-ion free reference system that lower temperature sensitivities and provides a metal ion free reference system.

Model	Description
PY-P28-2S	Pharma Grade - pH/ATC, TRIS Impervious, Glass Body, Liquid Filled 3M KCl, 3X Junction, Iodine/Iodide reference
PY-P29-2S	Micro - 5mm dia., pH/ATC, TRIS Impervious, Glass Body, Liquid Filled 3M KCl, 3X Junction, Iodine/Iodide-reference
PY-P30-2S	Speartip pH/ATC Glass Body, 3x Ceramic Junction, Polymer Filled
PY-P31-2S	RFID - pH/ATC, TRIS Impervious, Glass Body, Liquid Filled 3M KCl, 3X Junction, Iodine/Iodide reference

PlatinumLINE Electrodes

Fast and accurate results with high quality materials, low resistance A type glass membrane or unique Platinum junctions with patented Ag /AgCl reference system.

Model	Description	Body Type		Fill Solution		
		Glass	Plastic	Liquid	Gel	ATC
PY-P10-2S	General purpose - pH/ATC, Liquid 3M KCl refillable, ceramic junction, Bulb style	—	✓	✓	—	✓
PY-P11-2S	High Performance - pH/ATC, Liquid 3M KCl refillable, air flush platinum junction, TRIS compatible, break resistant conical shaped tip, ideal for biological applications, easy to clean	✓	—	✓	—	✓
PY-P21-2S	High Performance - pH, Liquid 3M KCl refillable, air-flush platinum junction, TRIS compatible, break resistant conical shaped tip, ideal for biological applications, easy to clean	✓	—	✓	—	—
PY-P12-2S	Low Maintenance - pH/ATC, ceramic junction	—	✓	—	✓	✓
PY-P20-2S	Low Maintenance - pH, ceramic junction	—	✓	—	✓	—
PY-P22-2S	Micro - 5mm diameter - pH, Liquid 3M KCl refillable, air flush platinum junction, TRIS compatible ideal for low volume samples	✓	—	✓	—	—
PY-P23-2S	Flat-Surface - pH, Gel Filled, circular junction, ideal for meats, cheeses, agar, skin	✓	—	—	✓	—
PY-P24-2S	Sleeve - pH, Liquid 3M KCl refillable, Sleeve junction, ideal for low ionic samples	✓	—	✓	—	—
PY-P27-2S	Speartip - pH, hole junction, Poylmer Filled	—	✓	—	✓	—
PY-P26-2S	Econo - pH/ATC, fiber junction, Bulb style	—	✓	—	✓	✓
PY-P25-2S	Econo - pH, fiber junction, Bulb style	—	✓	—	✓	—
PY-T01-2S	Temperature - ATC, 2.5mm, Stainless Steel Body	—	—	—	—	✓
PY-R01-2S	ORP Combination for REDOX oxidation/reduction potentials	✓	—	✓	—	—
PY-D01-2S	Galvanic Dissolved Oxygen Probe					

Notes: pH is BNC connection ATC is 2.5 mm connection Cable length is 1.5 mm

Conductivity Cells

Model	Description	Conductivity Range	pH	ATC
PY-CL1-2S	1.0 cm-1 Conductivity Cell - 2 band	0.1 to 19,990 µS/cm	—	✓
PY-C01-2S	0.5 cm-1 Conductivity Cell - 4 band	0.5 to 2,000 µS/cm	—	✓
PY-C02-2S	1.0 cm-1 Conductivity Cell - 4 band	10 to 5,000 µS/cm	—	✓
PY-C03-2S	10 cm-1 Conductivity Cell - 4 band	1,000 to 200,000 µS/cm	—	✓
PY-C12-2S	Multi Range, Target Configuration Conductivity/ATC	1 to 2 mS/cm	—	✓
PY-C13-2S	Multi-Range, Conductivity with RFID	1 to 2 mS/cm	—	✓
PY-PC1-2S	Multi-sense 1.0 cm Conductivity/pH/ATC	10 to 5,000 µS/cm	✓	✓

Note: Conductivity cells have multi-pin DIN connectors, range dependent on meter

Accessories

Model	Description
PY-B250-2S	250 mL Buffer Bottle Set 4,7,10
PY-B1L-2S	1000 mL Buffer Bottle Set 4,7,10
YCC-PRO-2S	1.5M RS-232 Cable
PY-A02-2S	Basic Meter Arm
PY-A03-2S	Pro Meter Arm
PY-A04-2S	DO Probe Maintenance kit
PY-A01-2S	Electrode Storage Container
PY-E50-2S	Electrode Refilling and storage solution 3M KCL 50ml bottle
USB Cable	USB Cable