Starter® 5000

pH/ORP Bench Meter



High Performance Bench Meter for Universal Applications

Backed by OHAUS' century-old commitment to providing precise measurement, the Starter 5000 provides accurate pH and ORP measurement for advanced experiments and research. Enhanced features, advanced technology, and high performance have been combined to support complex laboratory tasks, requiring pH measurement.

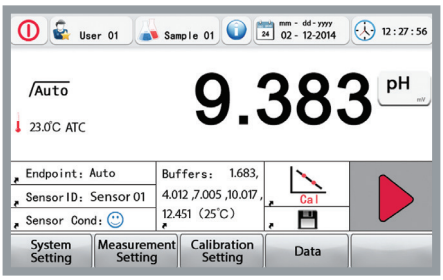
Standard Features Include:

- **Advanced Features for Powerful Performance**—Equipped with a 1,000 measurement memory, eight predefined buffer groups, and three endpoint modes, Starter 5000 is geared for precise pH measurement.
- **Powered by Advanced Software and Technology for Intuitive Operation**—The color touchscreen operates similar to smartphones and tablet computers, and provides simple operation of the advanced features, such as one-touch toggling of measurement modes.
- **Designed for Maximum Protection & Convenient Use**—With a stand-alone electrode holder, USB port, IP54 housing and in-use cover, Starter 5000 provides the flexibility and protection that ensures smooth and enduring operation.

Starter 5000 pH/ORP Bench Meter

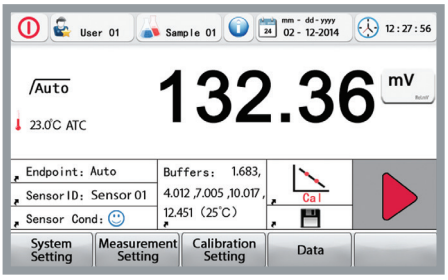
High Performance

With a high resolution of 0.001/0.01/0.1 pH and 0.01/0.1/1 mV, the Starter 5000 is geared for high performance. Advanced memory allows storage of up to 1,000 individual measurements.



Extreme Accuracy

Manual, automatic and time endpoints and up to a nine point calibration with calibration curve that covers a wider pH range, ensure extreme accuracy. Also, included are one customizable and eight predefined buffer groups.



Efficient Calibration

With the Starter 5000, you can even set an alert to remind user to calibrate the meter. Additionally, it is equipped with 10 sensors that can store the results of 10 separate calibrations for each sensor. pH-mV axis graphs can be viewed for each set of calibration data.

Advanced Function

Starter 5000 can be set to record continuous measurement at designated intervals of time, and generate graphs simultaneously. In addition, it has GLP measurement mode that records critical information such as user ID and sample ID to generate complete and traceable information.



User-Friendly Design

User-friendly 4.3" high-resolution color touchscreen display with large digits and well-organized icons, which operate similar to everyday smartphones and tablet computers.

Intuitive Software

Recognizable icons provide direct, one-touch access to important information including user ID, sample ID, date, time, current calibration group, and sensor performance (where you can check detailed calibration data). You can return to the main menu from any screen with just one button tap on the display. Also available is one touch toggling between pH, mV(ORP) and rel.mV.



Maximum Protection

The IP54 housing protects Starter 5000 from damage by water and dust particles. The transparent in-use cover provides an additional layer of protection.



Convenient to Use

The positioning of the stand-alone electrode holder can be adjusted around the base, to best fit your workstation. The height can also be adjusted for optimal viewing.

Specifications

Model	ST5000
Measurement Range	-2.000…20.000 pH -2000.00…+2000.00 mV -30° C…130 °C
Resolution	0.1/0.01/0.001 pH 1/0.1/0.01 mV 0.1 °C
Error Limits/Accuracy	± 0.002 pH ± 1 mV ± 0.1 °C
Buffer Groups	8 Predefined Groups and 1 Self-defined Group
pH Calibration	Up to 9 Calibration Points
Memory	1000 Measurement Data; 10 Electrodes*10 Calibration Data (Per Electrode)
Power Supply	110-240V/50-60 Hz, 9 V DC
Size/Weight	220 W × 175 D × 78 H mm / 0.55 kg
Display	Color Touch-Screen LCD
Input	BNC, Impedance >3*10e+12 Ω Cinch, NTC 30 kΩ
Output	USB & RS232
Temperature Compensation	ATC and MTC
Housing	ABS

Model	ST5000
ST5000-B	Starter 5000 Meter, Stand-alone Electrode Holder, In-use Cover, 4GB USB-stick
ST5000-F	ST5000-B, ST350 Electrode, pH Buffer Powder Set (4.01, 7.00, 10.01)



Starter® 5000 pH/ORP Bench Meter

Starter 5000 Compatible Electrodes

Description	Model
3 in 1 Refillable pH Electrode, Integrated Temperature Probe, Glass Shaft	ST350
3 in 1 Non-refillable pH Electrode, Gel Electrolyte, Integrated Temperature Probe, Plastic Shaft	ST320
3 in 1 Refillable pH Electrode, Integrated Temperature Probe, Plastic Shaft	ST310
2 in 1 Glass Shaft Puncture Gel Electrolyte pH Electrode	ST270
2 in 1 pH Electrode, Glass Shaft , Double Salt-bridge, Suitable for Tris-buffer pH Measurements	ST260
2 in 1 Refillabe pH Electrode, Glass Shaft, Suitable for Muddy Samples (Such as Milk, Juice etc.)	ST230
2 in 1 Refillable pH Electrode, Plastic Shaft	ST210
2 in 1 Refillable pH Electrode, Glass Shaft, 80 × 5 mm (L × Ø), Suitable for Tubes and Narrow Containers	STMICRO5
2 in 1 Refillable pH Electrode, Glass Shaft, 150 × 8 mm (L × Ø), Suitable for Tubes and Narrow Containers	STMICRO8
2 in 1 Refillable pH Electrode, Glass Shaft, Suitable for Water Samples Such As Distilled Water, Rain Water, Tap Water etc.	STPURE
2 in 1 Refillable pH Electrode, Suitable for Flat Surface Applications, Plastic Shaft	STSURF
Temperature Probe 30kΩ, Stainless Steel Shaft, Temperature Range 0 – 100°C	STTEMP30
Non-Refillable ORP Electrode, Gel Electrolyte, Plastic Shaft	STORP1
Refillable ORP Electrode, Glass Shaft	STORP2

Buffers and Accessories

Description	OHAUS Item Number
pH Buffer Powder Set (4.01; 7.00; 10.01)	83033971
Buffer pH 1.68 250 mL	30100424
Buffer pH 4.01 250 mL	30100425
Buffer pH 6.86 250 mL	30100426
Buffer pH 7.00 250 mL	30100427
Buffer pH 9.18 250 mL	30100428
Buffer pH 10.01 250 mL	30100429
Buffer pH 12.45 250 mL	30100440
Reference Electrolyte (3M KCl Solution Saturated AgCl, 30 mL)	30059255
pH Electrode Protection Solution (3M KCl, 125 mL)	30059256
pH Sensor Protection Bottles (Package Of 10)	30064800
Stand-alone Electrode Holder	30058733
ST5000 In-use Cover	30129897
SF40A Printer	30045641

Compliance

- **Electromagnetic Compatibility:** EN 61326-1 – Class B, Basic environments
- **Safety:** EN 61010-1

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