



STARTER Series

pH & Conductivity Products



Accurate, Convenient, and Reliable

😊 Welcome to Ohaus! With over 100 years of success in weighing products, now Ohaus is getting into more areas of laboratory products. We are proudly presenting STARTER series of pH meters and conductivity meters. With a clear focus on meeting our customers' needs, Ohaus electrochemistry products are designed to provide a reliable, fast and easy solution for our customers with many unique and innovative features.

Standard Features Include:

- Well organized menu on white backlit LCD screen
- pH Electrode Condition Icons 😊 😐 😞 give user information of the electrode condition
- Date and Time display, with the most recent calibration data
- Stand alone electrode arm, can be placed anywhere near the meter
- 3-in-1 pH electrode/4-ring conductivity electrode
- Auto buffer recognition, with 3-point calibration
- Auto Functions: ATC, auto endpoint, auto self-diagnosis
- STARTER Series products are manufactured at ISO 9001 facilities, and meet CE requirements

Our goal is to provide the best value in its class!



STARTER Series pH & Conductivity Products

STARTER 3000/2000

STARTER 3000 and 2000 are both benchtop pH meters that can be used for a variety of measurement applications. They are accurate, fast, and easy.



- **Electrode Condition Icon**
Shows electrode condition information
- ***Date and Time Display**
Also record the most recent calibration data
- ***Auto Buffer Recognition, 3-point Calibration**
- ***Auto Temperature Compensation (ATC)**
With 3-in-1 electrode to make accurate measurements
- **Electrode Arm**
Can be placed anywhere near the meter
- **Auto Self-diagnosis**
Displays error message, helps end-users find problems



Other convenient features:

- Well-organized menu in bright white backlit LCD
- Auto/manual endpoint modes, can be switched to meet different test situations

*Only available on STARTER 3000



STARTER 300

A portable pH meter that provides the best value in its class.

- Wrist Wrap**
 Additional security during transport
- Built-in Meter Stand**
 For benchtop using
- Electrode Clip**
 Can be attached to either side of the meter
- Integrated Labeling**
 For quick product identification
- ATC with 3-in-1 Electrode**
- Auto Buffer Recognition, 3-point Calibration**
- Auto Self-diagnosis, Auto/manual Endpoint Modes**
- Ergonomic and Compact Design**



Specifications

Spec.	STARTER 3000	STARTER 2000	STARTER 300
Measurement Range	0.00...14.00 pH -1999...+1999mV -5 °C...105 °C	0.00...14.00 pH -1600...+1600mV -	0.00...14.00 pH -1999...+1999mV 0 °C...100 °C
Resolution	0.01 pH 1 mV 0.1 °C	0.01 pH 1 mV -	0.01 pH 1 mV 0.1 °C
Error Limits/Accuracy	± 0.01 pH ± 1 mV ± 0.5 °C	± 0.05 pH ± 5 mV -	± 0.01 pH ± 1 mV ± 0.5 °C
pH Calibration	Up to 3 points	Up to 2 points	Up to 3 points
Calibration Buffer	4 predefined buffer group	4.01, 7.00, 10.01 predefined buffer	4 predefined buffer group
Memory	1024 sets, most recent calibration data with date&time	-	30 sets, most recent calibration data
Power/Battery	100-240V/50-60Hz, 9 V DC	100-240V/50-60Hz, 9 V DC	4 x AAA >500 hrs
Size/Weight	160 W x 200 D x 65 H mm /0.65kg	150 W x 195 D x 60 H mm /0.55kg	90 W x 170 D x 35 H mm/0.18 kg
Display	White backlight liquid crystal	White backlight liquid crystal	Liquid crystal
pH Input	BNC, impedance >10e+12 Ω	BNC, impedance >5x10e+11 Ω	BNC, impedance >10e+12 Ω
Temp Input	Cinch, NTC 30 kΩ	-	Cinch, NTC 30 kΩ
Temp Compensation	ATC or MTC	MTC	ATC or MTC
Temp Compensation Range	0 °C...100 °C	0 °C...60 °C	0 °C...100 °C
IP Rating	-	-	IP54
Housing Materials	ABS	ABS	ABS

pH Electrodes

OHAUS offers a wide electrode portfolio to meet different pH measurement applications.



ST310 3-in-1 refillable pH electrode, for general samples



ST320 3-in-1 gel pH electrode, no need to refill reference electrolyte, for general samples



ST210 2-in-1 refillable pH electrode, for general samples



STPURE 2-in-1 pure water pH electrode, for low ion concentration water such as distilled water, rain water, tap water etc.



ST230 2-in-1 muddy sample pH electrode, for samples like juice, sauce, grape wine etc.



STTEMP30 temperature electrode with 30K thermistor, long life time, can work with 2-in-1 pH electrode



STARTER 3000C

STARTER 3000C is bench meter for general conductivity or TDS measurement.

- **4-ring Conductivity Electrode**
Gives more accurate results, comes with temperature sensor, ATC
- **White Backlit LCD Screen**
Bright and clear screen, well-organized menu
- **Auto/manual Endpoint Modes**
Two modes can be switched for different situations
- **Auto Self-diagnosis**
Gives error message, helps users troubleshoot
- **One-touch Conversion**
Switch between conductivity and TDS value



STARTER 300C

STARTER 300C is portable meter used in the field, or as a benchtop

- **4-ring Conductivity Electrode**
- **Ergonomic and Compact Design**
- **Built-in Meter Standing Feet**
- **Integrated Labeling Design**
- **One-touch Conversion**



STARTER Series pH & Conductivity Products

Specifications

Spec.	STARTER 300C	STARTER 3000C
Measurement range	0.0 µS/cm...199.9 mS/cm 0.1 mg/l...199.9 g/l (TDS) 0 °C...100 °C	0.0 µS/cm...199.9 mS/cm 0.1 mg/l...199.9 g/l (TDS) 0 °C...100 °C
Resolution	Auto range , 0.1 °C	Auto range , 0.1 °C
Error Limits	± 0.5 % F.S. ± 0.3 °C	± 0.5 % F.S. ± 0.3 °C
Memory	30 sets, most recent calibration data	Most recent calibration data
Power/Battery	4 x AAA >250 hrs	100-220V/50-60Hz, 9 V DC
Size/Weight	90 W x 170 D x 35 H mm /0.16 kg	160 W x 200 D x 65 H mm /0.65kg
Display	Liquid crystal	White backlight liquid crystal
Input	Mini-Din	Mini-Din
Temperature coefficient α	0.00 %/°C...10.00 %/°C Ref T(20/25 °C)	0.00 %/°C...10.00 %/°C Ref T(20/25 °C)
IP Rating	IP54	-
Housing Material	ABS	ABS

Order Information

Item NO	Model	Description
83033957	ST3000	STARTER 3000 + ST310 + pH Buffer Powder Set
83033958	ST3000-B	STARTER 3000 + pH Buffer Powder Set
83033959	ST2000	STARTER 2000 + ST210 + pH Buffer Powder Set
83033960	ST2000-B	STARTER 2000 + pH Buffer Powder Set
83033961	ST300	STARTER 300 + ST320 + pH Buffer Powder Set
83033962	ST300-B	STARTER 300 meter only
83033963	ST3000C	STARTER 3000C + STCON3
83033964	ST300C	STARTER 300C + STCON3
83033965	ST310	3-in-1 pH electrode
83033966	ST210	2-in-1 pH electrode
83033967	ST320	3-in-1 gel pH electrode
83033968	ST230	Muddy sample pH electrode
83033969	STPURE	Pure water pH electrode
83033970	STTEMP30	Temperature electrode (30K)
83033971	pH Buffer Powder Set	(4.01; 7.00; 10.01)buffer powder set
83033972	STCON3	4-ring conductivity electrode(70us-200ms/cm)
83020842	Stand alone electrode arm	Stand alone electrode arm



OHAUS CORPORATION
7 Campus Drive
Suite 310
Parsippany, NJ 07054 USA

Tel: (973) 377-9000
Fax: (973) 944-7177

With offices worldwide
www.ohaus.com

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