



Ohaus ST3100-B Starter Series Water Analysis Bench Meter (30057497)

After more than a century of perfecting the art of measurement through our durable weighing products, OHAUS precision is now available in a line of benchtop electrochemistry products that includes pH and conductivity meters that can also test for salinity, TDS, and ORP.



Manufacture: Ohaus
SKU: **ST3100-B**
Weight: 2.00 lb

Free Ground
Shipping within the
48 continental US
States

Please Call
(800)832-0055

Features

Smart Bench Meters for a Variety of Laboratory Applications

After more than a century of perfecting the art of measurement through our durable weighing products, OHAUS precision is now available in a line of benchtop electrochemistry products that includes pH and conductivity meters that can also test for salinity, TDS, and ORP. The Starter Series of benchtop meters includes a wide breadth of products from basic level meters that offer high performance at a great value to premium performance products that have extended and advanced functionality

Standard Features Include

- **Intuitive Software Powers the Starter Series**— Intuitive software and a well-organized LCD display work in tandem to make operating the Starter Series a simple and straightforward task.
- **Functional Design Assists with Ease-of-Use**— With five clearly marked input keys and builtin or standalone electrode holders, operating the Starter bench meters and obtaining your measurements is an easy process.
- **Reliable Calibration Results in Accurate Measurement**— Starter tracks the accuracy of the calibration process right on the display so you can measure with peace-of-mind knowing your results will be highly precise.

Sturdy and Accurate Bench Meters for Lab Applications

Whether you are looking for a basic model that can get the job done right and on time, or one with premium features, you will find a meter to meet your needs in the Starter line of bench meters. The Starter Series carries on the OHAUS promise of delivering the highest quality measurement results while maintaining the best price/performance ratio in the market

Starter 2100

Starter 2100 is the bench meter of choice for those looking for a cost-effective pH meter that will provide reliable measurements time and time again.

- Built-in electrode arm makes operation simple and convenient
- Auto buffer helps to avoid errors during the calibration process
- A quick reference guide with operating instructions is attached

Starter 3100

Starter 3100 offers many premier features that propel the bench meter to an advanced level of operational efficiency

- Three-point calibration for the highest accuracy
- Automatic and manual temperature compensation
- Automatic and manual endpoint functions determine the stability of readings
- The height of the standalone electrode holder can be adjusted for maximum versatility
- Auto buffer recognition helps to avoid errors during the calibration process
- 99 sets of data memory and the ability to instantly recall the last calibration data
- Self-diagnostic software provides assurance that the meter is in proper working condition
- Each time a pH sensor is calibrated, an icon appears on the display to confirm the accuracy of the calibration process so you can ensure accurate measurement
- Connection to peripheral devices through RS232 port
- The height of the electrode holder can be adjusted to optimize placement of the electrode
- A quick reference guide with operating instructions is attached

Starter 3100C

Starter 3100C can test for conductivity, salinity, and TDS and has many advanced features that make it as intuitive as it is accurate.

- A one-touch switch between conductivity, salinity, and TDS measurements
- The height of the standalone electrode holder can be adjusted for maximum versatility
- The 4-pole linear electrode offers a large conductivity range that safeguards itself from polarization and pollution effects
- Automatic temperature compensation with an adjustable temperature coefficient
- Automatic and manual endpoint functions determine the stability of readings
- 99 sets of data memory and the ability to instantly recall the last calibration data
- Connection to peripheral devices through RS232 port
- A quick reference guide with operating instructions is attached

Specifications

Models	ST3100		ST2100			ST3100C	
	ST3100-B	ST3100-F	ST2100-B	ST2100-E	ST2100-F	ST3100C-B	ST3100C-F
Models	3100 Meter with Standalone Electrode Holder	3100 Meter with ST310 3-in-1 Plastic Refillable pH Electrode, pH Buffer Powder Sachet and In-Use Cover	2100 Meter with Built-in Electrode Arm	2100 Meter, ST210 2-in-1 Plastic Refillable pH Electrode and pH Buffer Powder Sachet	2100 Meter, ST210 2-in-1 Plastic Refillable pH Electrode+STTEMP30 Temperature Electrode, and pH Buffer Powder Sachet	3100C Meter with Standalone Electrode Holder, and 2 Small Bottles of Standard Conductivity Solution - 1413 iS/cm and 12.88ms/cm)	3100C Meter with Standalone Electrode Holder, STCON3 4 Conductivity Electrode, and In-Use Cover
Measurement Range	-2.00...16.00 pH -1999...1999 mV -5 °C...110 °C		0.00...14.00 pH -1999...1999 mV 0 °C...100 °C			00.0 iS/cm...199.9 mS/cm 0.1 mg/l...199.9 g/l (TDS) 0.00 ... 19.99 psu (Salinity) 0 °C...100 °C	
Resolution	0.01 pH 1 mV 0.1 °C		0.01 pH 1 mV 0.1 °C			Automatic Range 0.1 °C	
Error Limits	± 0.01 pH ± 1 mV ± 0.5 °C		± 0.01 pH ± 1 mV ± 0.5 °C			± 0.5 % of the Measured Value ± 0.3 °C	
Calibration	Up to 3 Points 3 Predefined Buffer Groups		1 or 2 Points 1 Predefined Buffer Group (4.01, 7.00, 10.01)			1 Point 3 Predefined Standards	
Memory	99 Measurements Last Calibration Data		Last Calibration Data			99 Measurements Last Calibration Data	
Power Supply	110-240V/50Hz, DC 12Va		110-240V/50Hz, DC 12V			110-240V/50Hz, DC 12V	

Size/Weight	Approximately 220 W × 175 D × 78 H mm / 0.75 kg		
Display	Liquid Crystal Backlight	Liquid crystal	Liquid Crystal Backlight
Input	BNC, impedance > 10e+12 Ω Cinch, NTC 30 kΩ 2mm	BNC, impedance > 10e+12 Ω Cinch, NTC 30 kΩ 2mm	Mini-Din
Temperature Compensation	ATC & MTC	ATC & MTC	Linear: 0.00 %/°C...10.00 % Reference Temperature: 20° °C

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- Phone: [\(800\)832-0055](tel:8008320055) or [\(718\)336-5900](tel:7183365900)
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- Address: 4802 Glenwood Rd. Brooklyn, NY 11234
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