



Fisher Scientific accumet® AB250 pH/mV/ISE/Temp Meter



Versatile BNC Connection For pH, Redox/ORP, Or Ion Selective Measurements

- » NEW model for pH/mV/Ion Selective measurements
- » Date and Time to meet GLP
- » Password protection
- » Calibration reminder & high/low alarm
- » Toggle views with a touch of a button
- » Graphic LCD with adjustable backlight
- » Calibrate with custom pH buffer values or preset buffer groups
- » 500 point memory – log manually or at intervals
- » Easily view calibration data
- » Upgradable software
- » Selectable 0.1 / 0.01 / 0.001 pH resolution

Specifications and Ordering Information

pH Mode	
Range	-2.000 to 20.000 pH
Resolution	0.1 / 0.01 / 0.001 pH
Accuracy	±0.002 pH + 1 LSD
Buffer Sets	USA: 2.000, 4.010, 6.997, 10.013, 12.000 NIST: 1.678, 4.010, 6.865, 9.184, 12.460 DIN: 1.090, 3.060, 4.650, 6.790, 9.230, 12.750 FSCI: 1.000, 3.000, 6.000, 8.000, 10.000, 13.000 CUSTOM: Any 2-5 values, ≥1.0 pH unit apart
Slope Display	Yes, up to 5 different slopes with offset
Temp Compensation	Automatic or manual (0 to 100 °C / 32 to 212 °F)
mV Mode	
Range	±2000.0 mV / Rel. mV
Resolution	0.1 mV
Accuracy	±0.2 mV or ±0.05 % whichever is greater
Offset Adjustment	Up to ±150 mV
Ion Mode	
Range	0.001 to 19999 (±2000 mV)
Resolution	0.001 / 0.01 / 0.1 / 1 (automatic)
Units	ppm, mg/L, molar
Accuracy	0.5 % full scale (monovalent ion) 1 % full scale (divalent ion)
Cal Points	2 to 6 points from one of following groups; 0.001, 0.01, 0.1, 1, 10, 100 0.01, 0.1, 1, 10, 100, 1000 0.02, 0.2, 2, 20, 200, 2000 0.1, 1, 10, 100, 1000, 10000 0.05, 0.5, 5, 50, 500, 5000
Temperature Mode	
Resolution	0.1 °C / 0.1 °F
Accuracy	±0.3 °C / ±0.5 °F
Calibration	Offset in 0.1 ° increments; offset range: ±5 °C / 9 °F
Output	RS-232 (phono plug), mini-B USB, stirrer
Language Selection	English, Deutsch, 中文, Français, Italiano, & Español
Memory	500 data sets, viewable
Datalogging	Manual, timed (selectable every 3 to 3600 seconds) Printer or CSV format
Cal Due Alarm	Yes, user selectable from 8 hrs, 16 hrs, & 1-31 days
High / Low Alarms	Yes, user selectable, visual & audible

AB250 Kit: Includes meter, TRIS compatible pH/ATC electrode (13-620-631), electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

AB250 Meter Only: Includes meter, electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

Description	Catalog No.
AB250 Kit	13-636-AB250
AB250 Meter Only	13-636-AB250A

Ion Selective Electrodes (ISE)

Description	Catalog No.
Fluoride	13-620-629
Ammonia	13-620-509
Nitrate	13-620-534
Chloride	13-620-627
Sodium	13-620-503A



Affordable Ion measurements have never been easier with the AB250. Connect a pH electrode for use as a pH meter or connect any Ion Selective Electrode when ion measurement is desired.

View detailed calibration data with touch of a button. Collapse the display to show the main reading with temperature, or expand to display additional details.

For best results, connect optional 13-620-BSP stirrer (see page 13) for efficient mixing and fast, accurate measurements!



Intuitive, Simple Operation And High Accuracy In A Compact, Affordable Meter

- » Easy-to-understand prompts
- » New graphic display with adjustable backlight
- » Calibrate with custom pH buffer values
- » Date and Time to meet GLP
- » Password protection
- » Optional calibration reminder & high/low alarm
- » 500 point memory – log manually or at intervals
- » Easily view calibration data
- » 0.001 pH resolution and ± 0.002 pH accuracy!



Specifications and Ordering Information

pH Mode	
Range	-2.000 to 20.000 pH
Resolution	0.1 / 0.01 / 0.001 pH
Accuracy	± 0.002 pH + 1 LSD
Buffer Sets	USA: 2.000, 4.010, 6.997, 10.013, 12.000 NIST: 1.678, 4.010, 6.865, 9.184, 12.460 DIN: 1.090, 3.060, 4.650, 6.790, 9.230, 12.750 FSCI: 1.000, 3.000, 6.000, 8.000, 10.000, 13.000 CUSTOM: Any 2-5 values, ≥ 1.0 pH unit apart
Slope Display	Yes, up to 5 different slopes with offset
Temp Compensation	Automatic or manual (0 to 100 °C / 32 to 212 °F)
mV Mode	
Range	± 2000.0 mV / Rel. mV
Resolution	0.1 mV
Accuracy	± 0.2 mV or ± 0.05 % whichever is greater
Offset Adjustment	Up to ± 150 mV
Temperature Mode	
Resolution	0.1 °C / 0.1 °F
Accuracy	± 0.3 °C / ± 0.5 °F
Calibration	Offset in 0.1 ° increments; offset range: ± 5 °C / 9 °F
Output	RS-232 (phono plug), mini-B USB, stirrer
Language Selection	English, Deutsch, 中文, Français, Italiano, & Español
Memory	500 data sets, viewable
Datalogging	Manual, timed (selectable every 3 to 3600 seconds) Printer or CSV format
Cal Due Alarm	Yes, user selectable from 8 hrs, 16 hrs, & 1-31 days
High / Low Alarms	Yes, user selectable, visual & audible

AB150 BioBasic Kit: Includes meter, TRIS compatible accuTupH pH electrode (13-620-183A), ATC probe (13-620-19), electrode arm, 110/220 V power supply, and manual.

AB150 Kit: Includes meter, TRIS compatible pH/ATC electrode (13-620-631), electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

AB150 Meter Only: Includes meter, electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

Description	Catalog No.
AB150 BioBasic Kit	13-636-AB150B
AB150 Kit	13-636-AB150
AB150 Meter Only	13-636-AB150A

Replacement Parts And Accessories For AB Series Benchtop Meters

Description	Catalog No.
Fisher Scientific accumet® Benchtop Stirring Probe	13-620-BSP
pH Electrode, Double Junction, Glass Body, Refillable	13-620-183A
pH/ATC Electrode, Double Junction, Plastic Body, Refillable	13-620-631
Temperature Probe, Stainless Steel	13-620-19
Compact Printer, 100-240 V. Includes 1 Roll of Paper	13-637-690
Replacement Power Supply, 100/240 V	13-636-104

For laboratories that need a basic, accurate, easy-to-use pH/mV meter with exceptionally high accuracy and resolution, the AB150 meter is the perfect choice.

Easy operation, accuracy, and affordability set the Fisher Scientific accumet® AB150 meter apart from the competition.

Kits include electrodes suitable for use with samples that contain Tris buffer, heavy metals, or sulfides.



Fisher Scientific accumet® AB200 pH/Conductivity/Temp Meter

An Accurate, Affordable, Multi-Parameter Instrument



- » New model measures pH & Conductivity/TDS/Resistivity/Salinity
- » Choose to display one parameter or pH and another parameter together
- » Graphic LCD with adjustable backlight
- » Date and time to meet GLP
- » Password protection
- » Optional calibration reminder & high/low alarm
- » 500 point memory – log manually or at intervals
- » Easily view calibration data

For best results, connect optional 13-620-BSP stirrer (see page 13) for efficient mixing and fast, accurate measurements!



Kit includes 13-620-100 cell.
For other conductivity cells, see page 14.

The AB200 is a multi-parameter instrument capable of measuring pH, temperature, conductivity, total dissolved solids, resistivity, and salinity. Temperature is measured in two channels; a high accuracy thermistor built-in to the conductivity probe, or separately along with the pH reading.

A generous graphic backlit display makes the AB200 meter easy to read, while plain language prompts and error messages guide the user through measurements and calibrations. Change the display view with a press of a button.

Specifications and Ordering Information

pH Mode	
Range	-2.000 to 20.000 pH
Resolution	0.1 / 0.01 / 0.001 pH
Accuracy	±0.002 pH + 1 LSD
Buffer Sets	USA: 2.000, 4.010, 6.997, 10.013, 12.000 NIST: 1.678, 4.010, 6.865, 9.184, 12.460 DIN: 1.090, 3.060, 4.650, 6.790, 9.230, 12.750 FSCI: 1.000, 3.000, 6.000, 8.000, 10.000, 13.000 CUSTOM: Any 2-5 values, ≥1.0 pH unit apart
Slope Display	Yes, up to 5 different slopes with offset
Temp Compensation	Automatic or manual (0 to 100 °C / 32 to 212 °F)
mV Mode	
Range	±2000.0 mV / Rel. mV
Resolution	0.1 mV
Accuracy	±0.2 mV or ±0.05 % whichever is greater
Offset Adjustment	Up to ±150 mV
Temperature Mode	
Resolution	0.1 °C / 0.1 °F
Accuracy	±0.3 °C / ±0.5 °F
Calibration	Offset in 0.1 ° increments; offset range: ±5 °C / 9 °F
Conductivity Mode	
Range	0.00 µS to 500.0 mS
Resolution	0.01 / 0.1 µS ; 0.001 / 0.01 / 0.1 mS
Accuracy	±1 % full scale
Coefficient (Per °C)	Linear & pure ; adjustable 0.000 to 10.000 %
Normalization	15.0 to 30.0 °C
TDS Mode	
Range	0.00 ppm to 500 ppt (@ TDS factor 1.00)
Resolution	0.01 / 0.1 ppm ; 0.001 / 0.01 / 0.1 ppt
Accuracy	±1 % full scale
TDS Factor	0.400 to 1.000
Salinity Mode	
Range	0 to 80.0 ppt
Resolution	0.01 / 0.1 ppm ; 0.001 / 0.01 / 0.1 ppt
Accuracy	±1 % full scale
Resistivity Mode	
Range	2.000 Ω to 20.0 MΩ
Resolution	0.01 / 0.1 Ω ; 0.001 / 0.1 kΩ ; 0.01 MΩ
Accuracy	±1 % full scale
Output	RS-232 (phono plug), mini-B USB, stirrer
Language Selection	English, Deutsch, 中文, Français, Italiano, & Español
Memory	500 data sets, viewable
Datalogging	Manual, timed (selectable every 3 to 3600 seconds) Printer or CSV format
Cal Due Alarm	Yes, user selectable from 8 hrs, 16 hrs, & 1-31 days
High / Low Alarms	Yes, user selectable, visual & audible

AB200 Meter Kit: Includes meter, TRIS compatible pH/ATC electrode (13-620-631), Conductivity/Temp probe (13-620-100), electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

AB200 Meter Only: Includes meter, electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

Description	Catalog No.
AB200 Kit	13-636-AB200
AB200 Meter Only	13-636-AB200A
Fisher Scientific accumet® Benchtop Stirring Probe	13-620-BSP

Fisher Scientific accumet® Benchtop Stirring Probe

Simple "Plug and Stir" Technology Available With New AB & XL Series

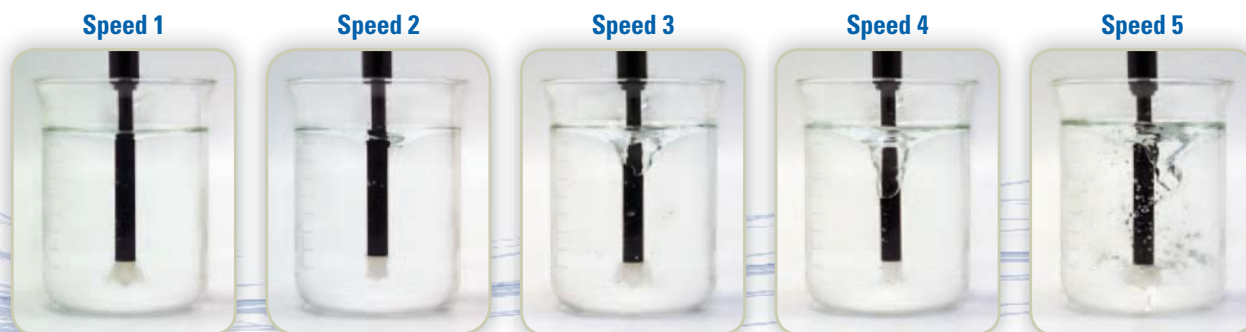
- » Provides mixing without magnetic stir bars or stir plates required!
- » Saves valuable bench space
- » Quiet operation
- » Adjustable speed control
- » No additional power required
- » Multi-parameter XL benchtop models can accept up to two probes for simultaneous stirring
- » Compatible with the following models:
 - XL150, XL200, XL250, XL500, XL600
 - AB150, AB250, AB200

Ordering Information

Description	Catalog No.
Fisher Scientific accumet Benchtop Stirring Probe	13-620-BSP
Replacement Paddle with Stirring Rod	13-620-RP
Electrode Holding Arm and Bracket for AB & XL Series Benchtop Meters	13-637-671



Slim design allows effortless mixing.



Accessories/Electrodes/Cables/Printers

Get The Most Out Of Your System

Electrodes For pH Or Redox (ORP) *

Description	Catalog No.
accuTupH® pH Electrode, Double Junction, Glass Body, Refillable	13-620-183A
pH/ATC Electrode, Double Junction, Plastic Body, Refillable	13-620-631
accuCap® pH Electrode, Capillary Junction, Glass Body, Refillable	13-620-130
pH Electrode, Single Junction, Glass Body, Refillable	13-620-285
ORP Electrode, Glass Body, Refillable	13-620-81



Ion Selective Electrodes (ISE) *

Description	Catalog No.
Fluoride	13-620-629
Ammonia	13-620-509
Nitrate	13-620-534
Chloride	13-620-627
Sodium	13-620-503A



Conductivity/Temperature Electrodes For AB200, XL200, XL500, XL600

Sensor Type	Body Type	Nominal Cell Constant	Ideal Range	Catalog No.
2-Cell	Epoxy	0.1	0.5 to 2,000 μ S	13-620-101
2-Cell	Epoxy	1	20 μ S to 20 mS	13-620-100
2-Cell	Epoxy	10	1 to 200 mS	13-620-102
4-Cell	Glass	1	10 μ S to 100 mS	13-620-163
4-Cell	Glass	10	1 to 200 mS	13-620-164
4-Cell	Epoxy	1	10 μ S to 100 mS	13-620-165
4-Cell	Epoxy	10	1 to 200 mS	13-620-166



Dissolved Oxygen Probe And Accessories For Fisher Scientific accuMet® XL600

Description	Catalog No.
Self-Stirring DO/BOD/Temp Probe	13-620-SSP
Membrane Kit For 13-620-SSP. Includes (6) Membrane Caps, Polishing Disk, And Electrolyte Filling Solution	13-637-DOM



ATC/Temperature Probes With A 3-Ft Cable And Stainless Steel

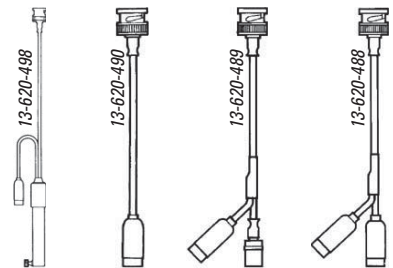
Description	Catalog No.
ATC For XL And AB Series Benchtop Meters	13-620-19



*Many other pH, ORP and ion selective electrodes are available – please contact Fisher Scientific to help you find exactly what you need.

BNC Adapter Cables

Description	Catalog No.
U.S. Standard/Pin To BNC Input Jack	13-620-498
Pin Plug To BNC Input Jack. Use With Metallic Electrodes Having Pin Connectors	13-620-490
BNC/Pin Plugs To Single BNC Input Jack	13-620-489
Dual-Pin Plugs To BNC Input Jack	13-620-488



Refilling And Storage Solutions

Description	Catalog No.
Saturated KCL. Use With Double-Junction And Calomel pH Electrodes (Purple Ring), Or Fluoride (13-620-529), Sodium, And Calcium Combination Ion Selective Electrodes, 500 mL	SP138-500
4 M KCL Saturated With AgCl. Use With Single-Junction pH Electrodes (Blue Ring), 500 mL	SP135-500
Skylite Electrolyte With Syringe For accuCap 13-620-130 pH Electrode 60 mL	13-636-430
pH Electrode Storage Solution, 1 L	SE40-1
Electrode Storage Bottle	13-620-499



13-620-499

pH Buffers For Low Ionic Strength Samples. Compatible With XL Pure Water Buffer Group

Description	Catalog No.
Pure Water Low Ionic Strength pH Test Kit – 4 x 475 mL of pH 6.97 Buffer, 2 x 475 mL Of pH 4.10 Buffer, 2 x 60 mL Of pH-ISA Adjuster	13-641-735
Pure Water pH-ISA Low Ionic Strength Adjuster, 5 x 60 mL	13-641-722
Pure Water pH 4.10 Buffer For Low Ionic Strength pH Samples, 4 x 475 mL	13-641-165
Pure Water pH 6.97 Buffer For Low Ionic Strength pH Samples, 4 x 475 mL	13-641-164
Pure Water pH 9.15 Buffer For Low Ionic Strength pH Samples, 4 x 475 mL	13-641-166



Precision Calibration Resistor Kit

- Check Meter Compliance To USP Standards. Includes:
- Six Precision Resistors (Nominal Values 10 ohm, 100 ohm, 1 kilohm, 10 kilohm, 100 kilohm, And 1 megohm)
 - Connectors For Fisher Scientific accuMet® XL, AR, And AB Conductivity Meters
 - Foam Padded Case

Description	Catalog No.
Fisher Scientific accuMet® Conductivity Calibration Kit	13-637-674



Other Replacement Parts And Accessories

Description	Catalog No.
Electrode Arm And Bracket For All AB And XL Series Benchtop Meters	13-637-671
Fisher Scientific accuMet® Benchtop Stirring Probe	13-620-BSP
Replacement Paddle For 13-620-BSP	13-620-RP
Replacement Power Supply For AB150, AB200, AB250, XL150, XL200, XL250, XL500, XL600, 100/240 VAC	13-636-104
Replacement RS-232 Output Cable For PC And Printer	13-637-681
Compact Thermal Printer For ABxxx And XLxxx Series, 100-240 V. Includes (2) Rolls Paper And 4 Plug Types For Global Use	13-637-690
Replacement 5-Yr Thermal Paper For 13-637-690 (Pack Of 2 Rolls)	13-637-691
Fisher Scientific Optical USB Mouse. Compatible With Any XL Series Meter	13-637-692

