

accumet®

Fisher Scientific

New

Basic and Advanced Benchtop Meters



Fisher Scientific accumet® High-Quality, Feature-Rich, & User-Friendly Instruments!



New Products With New Features – Our most popular instruments are now better than ever!

Fisher Scientific strives to bring you a comprehensive selection of the best laboratory products available. Our updated and expanded selection of electrochemistry products offer high quality, user-friendly and cost-effective instruments for every application and budget.

Fisher Scientific accumet® was the first to market a touch screen pH meter in 1998 with the AR series, and led the way by introducing the world's first color touch screen pH meter 2003 with the XL series. Our latest Fisher Scientific accumet AB and XL benchtop series once again represent large strides in the world of electrochemistry and stay true to their reputation for having simple-to-understand interfaces.

Fisher Scientific accumet® XL benchtop meters bring advanced features with simplicity to your laboratory. The color touch screen is stunningly vivid and is sure to make a great first impression that doesn't stop. Some newly added features include two stirring probe ports, a 3-position electrode holder, upgradeable software, and USB & RS232 connectivity. We've priced these new meters competitively, so these advanced XL meters have never been more affordable.

Fisher Scientific accumet® AB benchtop meters have been the top selling pH meter year after year. That was before we added backlight, multiple views, date/time for GLP requirements, expanded memory, custom buffer calibration options, a calibration alarm, 3-position electrode holder, stirring capability, upgradeable software, and wall-mounting to name a few new features. We have added two new models – the AB250 with ISE capability, and the AB200, our first AB multi-parameter instrument for pH & conductivity. AB basic meters offer great accuracies, simplified performance, and many popular features at an economical price and are poised to continue their success as the top selling pH meter for years to come.

Whether you are measuring pH, mV (ORP), ion selective concentration, conductivity, total dissolved solids (TDS), dissolved oxygen, temperature, or all of the above, Fisher Scientific accumet® has been offering the products you need since 1965. For more information, contact our Fisher Scientific sales representatives around the globe or visit www.fishersci.com.



AB150 Bench Meter
(Page 11)

XL600 Bench Meter
(Pages 4 & 5)

Fisher Scientific accumet® XL & AB Meter Series



	Model	XL600	XL500	XL250	XL200	XL150	AB200	AB250	AB150
	Page	5	6	8	7	9	12	10	11
Color Touch Screen		✓	✓	✓	✓	✓			
pH-mV (BNC) / Temp		✓✓	✓✓	✓✓	✓	✓	✓	✓	✓
Ion Selective-mV (BNC) / Temp		✓✓	✓✓	✓✓				✓	
Conductivity / TDS / Resistivity / Salinity / Temp		✓	✓		✓		✓		
Dissolved Oxygen / Temp		✓							
Stirring Probe		✓✓	✓✓	✓✓	✓✓	✓	✓	✓	✓
USB Device / RS-232		✓	✓	✓	✓	✓	✓	✓	✓
USB Host / RS-232 / RJ-45 (Ethernet)		✓	✓	✓	✓	✓			

✓✓ = Dual Channel Capacity

New Fisher Scientific accumet® XL

It's all just a touch away...

Simple Setup Screens

Internet Access

Multi-Channel Measurement

New TFT color touch screen display provides outstanding clarity

Custom Settings

New Fisher Scientific accumet® AB

Better than ever!

New AB backlit graphic display is capable of showing detailed or basic info with a press of a button.

Basic Info

Detailed Info



New Compact Printer
(Cat. No. 13-637-690) available for direct printing from AB150, AB200, AB250, XL150, XL200, XL250, XL500, or XL600 meters. Includes paper and 100-240 V with 4 plug types for global use.



New 13-637-692 Fisher Scientific Optical USB Mouse for use with any XL series meter. Control your XL meter without touching the screen, or use with your laptop or PC.



New Benchtop Stirring Probe for use with AB or XL series (Page 13).



New 100-240 V Power Supply included with every AB and XL model includes multi-plugs for use around the globe.

New Fisher Scientific accumet® XL Series Benchtop Meters

New Instruments With Features That Will Improve Productivity In Any Laboratory

- » TFT color LCD provides crystal clear data from wide viewing angles and at a distance
- » Improved touch screen with glass/glass sensitivity
- » Connect one or two stirring probes; provides mixing without stir plates!
- » Bidirectional communication for LIMS connectivity
- » USB connectivity for use with keyboard, mouse, or other USB device
- » Upgradable application software
- » RJ45 Ethernet/Internet port – connect to Local Area Network (LAN) or Internet, print data to a network printer or surf the web
- » Calibrate with custom buffer values or automatically using one of five preset buffer groups
- » User prompts and context-specific “help” screens guide you through operation
- » Extensive setup screens allow customized settings to meet your specific needs
- » 3-year instrument warranty; register at fishersci.com/accumet
- » Crowded lab bench space? Take advantage of the wall-mounting back panel
- » Do you share your meter with other departments or colleagues? Don't compromise! Create up to 10 password protected ID's; each includes memory to store 2000 data points. Base ID's on individual users, applications, or projects to keep data separate, and retain unique calibration and instrument settings



Removable electrode arm can be mounted on either side of the meter, or add a second arm to facilitate multi-probe operation.



Fisher Scientific accumet® XL600 pH/mV/Temp/ISE/DO/Conductivity Meter

Quite Possibly The World's Best Meter



- » Customize the XL600 to display 1, 2, 3 or 4 active measurements simultaneously – each with temperature!
Channel 1 : pH, mV, or Ion Selective
Channel 2 : pH, mV, or Ion Selective
Channel 3 : Conductivity, TDS, Resistivity, or Salinity
Channel 4 : Dissolved Oxygen/BOD/OUR/SOUR
- » Real-time graph provides outstanding detail of any parameter
- » DO mode calculates five-day BOD



"XL600 Deluxe" kit includes these electrodes.
For ion selective electrodes (ISE), see page 14.

Specifications and Ordering Information

pH Mode	
Range	-2.000 to 20.000
Resolution	0.1 / 0.01 / 0.001
Accuracy	±0.1 / 0.01 / 0.002 ±1 LSD
Auto Buffer Recognition	5 preset buffer groups + custom
mV Mode	
Range	±2000 mV / Rel mV
Resolution	0.1
Accuracy	±0.2
Temperature Mode	
Range	-5.0 to 105.0 °C (0 to 46.0 °C DO mode)
Resolution	0.1 °C (0.1 °F)
Accuracy	±0.2 °C (±0.3 °F)
Ion Mode	
Range	1 x 10 ⁻⁶ to 9.99 x 10 ¹⁰
Resolution	0.1 / 0.01 / 0.001
Accuracy	±0.5 % full scale (monovalent ion) 1 % full scale (divalent ion)
Conductivity Mode	
Range	0 to 500.0 mS
Resolution	0.01 / 0.1 µS ; 0.001 / 0.01 / 0.1 mS
Accuracy	±1 % full scale
TDS Mode	
Range	0.050 ppm to 500 ppt (@ TDS factor 1.00)
Salinity Mode	
Range	0 to 80.0 ppt
Resistivity Mode	
Range	2.000 Ω to 20.0 MΩ
DO Mode	
Concentration	
Range	0 to 50 mg/L
Resolution	0.01, 0.1 mg/L
Relative Accuracy	±0.1 mg/L ±1 LSD, 0.1 % saturation
% Saturation	
Range	0 to 600 %
Resolution	0.1 %, 1 %
Relative Accuracy	±0.1 mg/L ±1 LSD, 0.1 % saturation
Output	RJ45, RS232, USB-A, mini-B USB, stirrer port (2)
Language Selection	English, Deutsch, 中文, Français, Italiano, & Español
High / Low Alarms	Yes, user selectable, visual & audible

XL600 Deluxe Kit: Includes meter, self-stirring BOD probe (13-620-SSP), TRIS compatible accuTupH pH electrode (13-620-183A), ATC probe (13-620-19), Conductivity/Temp probe (13-620-100), electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

XL600 Kit: Includes meter, TRIS compatible accuTupH pH electrode (13-620-183A), ATC probe (13-620-19), Conductivity/Temp probe (13-620-100), electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

XL600 Meter Only: Includes meter, electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

Description	Catalog No.
XL600 Deluxe Kit	13-636-XL600D
XL600 Kit	13-636-XL600
XL600 Meter Only	13-636-XL600A
Fisher Scientific accumet® Benchtop Stirring Probe	13-620-BSP

A complete lab in one instrument. Our top-of-the-line, research-grade touch screen meter measures and displays up to four channels! Unit features two pH/mV/ISE inputs along with one conductivity input (2-cell or 4-cell), as well as one dissolved oxygen input.

Quite simply if you want the best, this is the instrument to put in your lab. Ask your Fisher Scientific representative how you can make your colleagues jealous with accumet, or visit www.fishersci.com/accumet.

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

Fisher Scientific accumet® XL500 pH/mV/Temp/ISE/Conductivity Meter

Multi-Channel Operation Simplifies Your Lab Work

- » Up to three channels measured and displayed simultaneously
- » TFT color LCD provides crystal clear data from wide viewing angles and at a distance
- » Improved touch screen with glass/glass sensitivity
- » Connect one or two stirring probes; provides mixing without stir plates!
- » Bidirectional communication for LIMS connectivity
- » USB connectivity for use with keyboard, mouse, or other USB device
- » Upgradable application software
- » RJ45 Ethernet/Internet port – connect to Local Area Network (LAN) or Internet, print data to a network printer or surf the web
- » Calibrate with custom buffer values or automatically using one of five preset buffer groups



Specifications and Ordering Information

pH Mode	
Range	-2.000 to 20.000
Resolution	0.1 / 0.01 / 0.001
Accuracy	±0.1 / 0.01 / 0.002 ±1 LSD
Auto Buffer Recognition	5 preset buffer groups + custom
mV Mode	
Range	±2000 mV / Rel mV
Resolution	0.1
Accuracy	±0.2
Temperature Mode	
Range	-5.0 to 105.0 °C
Resolution	0.1 °C (0.1 °F)
Accuracy	±0.2 °C (±0.3 °F)
Ion Mode	
Range	1 x 10 ⁻⁶ to 9.99 x 10 ¹⁰
Resolution	0.1 / 0.01 / 0.001
Accuracy	±0.5 % full scale (monovalent ion) 1 % full scale (divalent ion)
Conductivity Mode	
Range	0 to 500.0 mS
Resolution	0.01 / 0.1 μS ; 0.001 / 0.01 / 0.1 mS
Accuracy	±1 % full scale
TDS Mode	
Range	0.050 ppm to 500 ppt (@ TDS factor 1.00)
Salinity Mode	
Range	0 to 80.0 ppt
Resistivity Mode	
Range	2.000 Ω to 20.0 MΩ
Output	RJ45, RS232, USB-A, mini-B USB, stirrer port (2)
Language Selection	English, Deutsch, 中文, Français, Italiano, & Español
High / Low Alarms	Yes, user selectable, visual & audible

XL500 Kit: Includes meter, TRIS compatible accuTupH pH electrode (13-620-183A), ATC probe (13-620-19), Conductivity/Temp probe (13-620-100), electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

XL500 Meter Only: Includes meter, electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

Description	Catalog No.
XL500 Kit	13-636-XL500
XL500 Meter Only	13-636-XL500A
Fisher Scientific accumet® Benchtop Stirring Probe	13-620-BSP



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

Full-function pH and mV capabilities. Extended pH range, with resolution adjustable to 0.001 and calibration from 5 preset buffer groups, custom buffers, and up to six points for exceptional ±0.002 accuracy.

Ion-selective electrode measurement is easy, with the ion name displayed right on the measurement screen so you'll never have the wrong ISE curve. Automatically run direct or addition/subtraction methods. On-screen prompts allow easy entry of volumes and concentrations, quickly providing sample concentration without tedious paper calculations.

Measure conductivity, salinity, or resistivity from 0 to 500 mS. Selectable temperature coefficients, cell constants, and display units ensure accurate readings throughout a broad range of samples.

Fisher Scientific accumet® XL200 pH/mV/Temp/Conductivity Meter



No Need To Swap Probes – Measure And Display Two Channels Simultaneously

- » Measure pH/Temp and Conductivity/Temp simultaneously
- » TFT color LCD provides crystal clear data from wide viewing angles and at a distance
- » Improved touch screen with glass/glass sensitivity
- » Connect one or two stirring probes; provides mixing without stir plates!
- » Bidirectional communication for LIMS connectivity
- » USB connectivity for use with keyboard, mouse, or other USB device
- » Upgradable application software
- » RJ45 Ethernet/Internet port – connect to Local Area Network (LAN) or Internet, print data to a network printer or surf the web
- » Calibrate with custom buffer values or automatically using one of five preset buffer groups



Specifications and Ordering Information

pH Mode	
Range	-2.000 to 20.000
Resolution	0.1 / 0.01 / 0.001
Accuracy	±0.1 / 0.01 / 0.002 ±1 LSD
Auto Buffer Recognition	5 preset buffer groups + custom
mV Mode	
Range	±2000 mV / Rel mV
Resolution	0.1
Accuracy	±0.2
Temperature Mode	
Range	-5.0 to 105.0 °C
Resolution	0.1 °C (0.1 °F)
Accuracy	±0.2 °C (±0.3 °F)
Conductivity Mode	
Range	0 to 500.0 mS
Resolution	0.01 / 0.1 µS ; 0.001 / 0.01 / 0.1 mS
Accuracy	±1 % full scale
TDS Mode	
Range	0.050 ppm to 500 ppt (@ TDS factor 1.00)
Salinity Mode	
Range	0 to 80.0 ppt
Resistivity Mode	
Range	2.000 Ω to 20.0 MΩ
Output	RJ45, RS232, USB-A, mini-B USB, stirrer port (2)
Language Selection	English, Deutsch, 中文, Français, Italiano, & Español
High / Low Alarms	Yes, user selectable, visual & audible

XL200 Kit: Includes meter, TRIS compatible accuTupH pH electrode (13-620-183A), ATC probe (13-620-19), Conductivity/Temp probe (13-620-100), electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

XL200 Meter Only: Includes meter, electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

Description	Catalog No.
XL200 Kit	13-636-XL200
XL200 Meter Only	13-636-XL200A
Fisher Scientific accumet® Benchtop Stirring Probe	13-620-BSP



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

The XL200 combines two instruments in one; a pH/mV/Temperature meter and Conductivity/TDS/Resistivity/Salinity meter. Display one parameter for better focus and live graphing, or choose dual display with a touch of the screen.

Use one or two optional 13-620-BSP stirring probes for best results. Use optional 13-637-671 to add a second electrode arm and measure on both sides of the XL200.

The XL200 is compatible with a variety of Fisher Scientific accumet® conductivity cells to match your requirements. Selectable cell constants let you use K = 1 cells for general purpose, 0.1 cells for high purity water, or 10 cells for brines or other concentrated solutions.



Fisher Scientific accuTupH[®] XL250 pH/mV/Temp/ISE Meter

Multiple BNC Ports Allow Flexibility

- » Dual-BNC channels; use them for pH or mV or ion selective measurement – you decide
- » Accepts any pH, ORP, or ion selective electrode with BNC connector
- » View independent electrode slope in each channel and each range at a glance
- » TFT color LCD provides crystal clear data from wide viewing angles and at a distance
- » Connect one or two stirring probes; provides mixing without stir plates!
- » Bidirectional communication for LIMS connectivity
- » USB connectivity for use with keyboard, mouse, or other USB device
- » RJ45 Ethernet/Internet port – connect to Local Area Network (LAN) or Internet, print data to a network printer or surf the web
- » Calibrate with custom buffer values or automatically using one of five preset buffer groups

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

Ion-selective electrode measurement has never been this easy. And with dual-channel capability, there is no need to recalibrate every time you switch from pH to ISE measurement. The XL250 displays the ion name right on the measurement screen so you'll never have the wrong ISE curve.

Addition/subtraction methods are almost foolproof. The XL250 prompts you through the method steps, allowing easy entry of volumes and concentrations, providing you with the sample concentration without tedious paper calculations.

Specifications and Ordering Information

pH Mode	
Range	-2.000 to 20.000
Resolution	0.1 / 0.01 / 0.001
Accuracy	±0.1 / 0.01 / 0.002 ±1 LSD
Auto Buffer Recognition	5 preset buffer groups + custom
mV Mode	
Range	±2000 mV / Rel mV
Resolution	0.1
Accuracy	±0.2
Temperature Mode	
Range	-5.0 to 105.0 °C
Resolution	0.1 °C (0.1 °F)
Accuracy	±0.2 °C (±0.3 °F)
Ion Mode	
Range	1 x 10 ⁻⁶ to 9.99 x 10 ¹⁰
Resolution	0.1 / 0.01 / 0.001
Accuracy	±0.5 % full scale (monovalent ion) 1 % full scale (divalent ion)
Output	RJ45, RS232, USB-A, mini-B USB, stirrer port (2)
Language Selection	English, Deutsch, 中文, Français, Italiano, & Español
High / Low Alarms	Yes, user selectable, visual & audible

Fluoride Kit: Includes meter, 13-620-629 fluoride electrode, TRIS compatible accuTupH pH electrode (13-620-183A), ATC probe (13-620-19), electrode arm, RS-232 & USB cables, 110/220 V power supply, and manual.

Ammonia Kit: Includes meter, 13-620-509 ammonia electrode, TRIS compatible accuTupH pH electrode (13-620-183A), ATC probe (13-620-19), electrode arm, RS-232 & USB cables, 110/220 V power supply, and manual.

Meter Kit: Includes meter, TRIS compatible accuTupH pH electrode (13-620-183A), ATC probe (13-620-19), electrode arm, RS-232 & USB cables, 110/220 V power supply, and manual.

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

Description	Catalog No.
XL250 Fluoride Kit	13-636-XL250F
XL250 Ammonia Kit	13-636-XL250N
XL250 Kit	13-636-XL250
XL250 Meter Only	13-636-XL250A

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



Fisher Scientific accumet® XL150 pH/mV/Temp Meter



Simple Yet Powerful, Large Full-Color Touch Screen For Easy Operation

- » Calibrate with custom pH buffer values that you choose or automatically from one of six preset buffer groups including a new pure water buffer group
- » New high-resolution color display provides crystal clear data from wide viewing angles and at a distance
- » Connect one or two stirring probes; provides mixing without stir plates!
- » New bidirectional communication for LIMS connectivity and 3rd party software
- » USB host connectivity for peripherals such as keyboard, mouse, or other USB device
- » RJ45 Ethernet/Internet port – connect to Local Area Network (LAN) or Internet, print data to a network printer or surf the web
- » Optional calibration reminder & high/low alarm
- » Create up to 10 password protected ID's; each includes memory to store 2000 data points. Base ID's on individual users, applications, or projects to keep data separate, and retain unique calibration and instrument settings
- » 3-year instrument warranty; register at fishersci.com/accumet

Specifications and Ordering Information

pH Mode	
Range	-2.000 to 20.000
Resolution	0.1 / 0.01 / 0.001
Accuracy	±0.1 / 0.01 / 0.002 ±1 LSD
Auto Buffer Recognition	USA: 2.00, 4.01, 7.00, 10.01, 12.00 NIST: 1.68, 4.01, 6.86, 9.18, 12.46 DIN 19267: 1.09, 3.06, 4.65, 6.79, 9.23, 12.75 FSCI: 1.00, 3.00, 6.00, 8.00, 10.00, 13.00 Pure Water: 4.10, 6.97, 9.15 CUSTOM: 2-5 points; any values ≥1.0 pH units apart
mV Mode	
Range	±2000 mV / Rel mV
Resolution	0.1
Accuracy	±0.2
Temperature Mode	
Range	-5.0 to 105.0 °C
Resolution	0.1 °C (0.1 °F)
Accuracy	±0.2 °C (±0.3 °F)
Output	RJ45, RS232, USB-A, mini-B USB, stirrer port (2)
Language Selection	English, Deutsch, 中文, Français, Italiano, & Español
High / Low Alarms	Yes, user selectable, visual & audible

XL150 Kit: Includes meter, TRIS compatible accuTupH pH electrode (13-620-183A), ATC probe (13-620-19), electrode arm, RS-232 & USB cables, 110/220 V power supply, and manual.

XL150 Meter Only: Includes meter, electrode arm, RS-232 & USB cables, 100/240 V power supply, and manual.

Description	Catalog No.
XL150 Kit	13-636-XL150
XL150 Meter Only	13-636-XL150A
Fisher Scientific accumet® Benchtop Stirring Probe	13-620-BSP

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



Measure pH and mV with all the power of the top-of-the-line XL600. The XL150 offers simplified, single-channel operation but doesn't skimp on performance or features. Offers the same extended pH range (-2 to 20), with resolution adjustable to 0.001 and calibration at up to six points for exceptional accuracy (±0.002).

Extensive GLP capabilities with customizable printer or computer output and 2000-reading datalog capability. Print setup allows you to print exactly what you want, exactly when you want to.



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!

Fisher Scientific accumet® AB150 pH/mV/Temp Meter

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

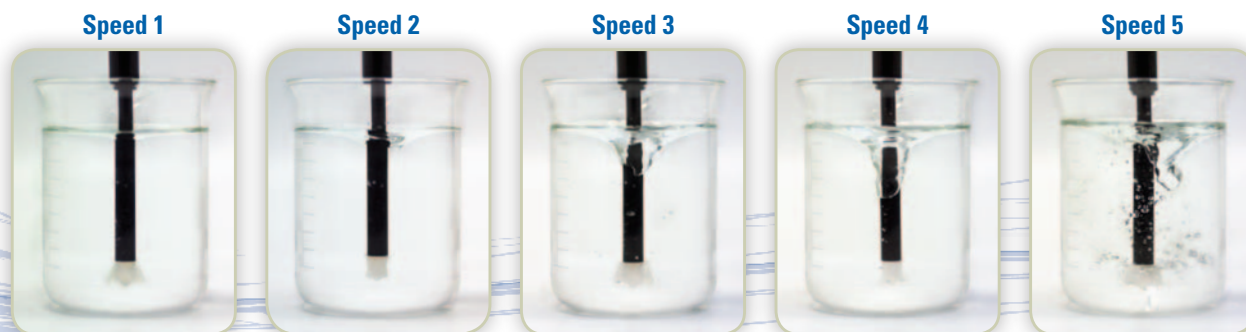
- » Provides mixing without magnetic stir bars or stir plates required!
- » Saves valuable bench space
- » Quiet operation
- » Adjustable speed control
- » No additional power required
- » Multi-parameter XL benchtop models can accept up to two probes for simultaneous stirring
- » Compatible with the 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.

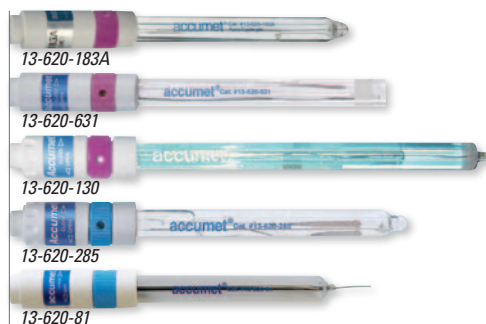


Accessories/Electrodes/Cables/Printers

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

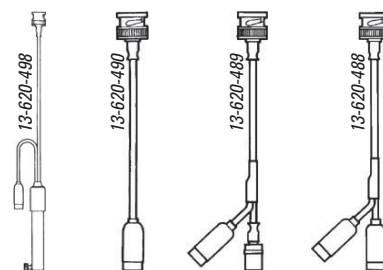
Description	Catalog No.
ATC For XL And AB Series Benchtop Meters	13-620-19



*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



accumet®

Basic and Advanced Benchtop Meters



Part of Thermo Fisher Scientific

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