

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.