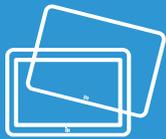


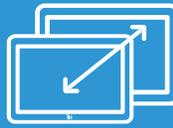


# AccuTouch<sup>®</sup> 5-Wire Resistive

Touch Solution



**Bezel or Zero-Bezel**



**7" to 22"  
(Standard & Wide Format)**



**Input Flexibility**

## Product Overview

The Elo Touch Solutions AccuTouch touchscreens are based on proven five-wire resistive technology, the preferred solution for applications that demand reliability, input flexibility, and contamination resistance. AccuTouch touchscreens are available in bezel and zero-bezel designs, with proprietary Elo technology to deliver a touch response that is drift-free and accurate in high-use applications. Elo AccuTouch delivers both X and Y measurements made on a stable rear glass layer where many other resistive touchscreen designs use a flexing plastic coversheet to measure only one axis. As a result, AccuTouch resistive touchscreens provide a longer product life, designed to withstand more than 35 million touches. AccuTouch touchscreens can be sealed against contamination to support NEMA 4/4x/12 and IP65 standards.

The zero-bezel design eliminates the need for a traditional front-bezel, achieving a smooth, seamless flat surface for a clean, modern look. AccuTouch zero-bezel touchscreens use a flexible printed circuit cable that virtually eliminates the cable attachment bump that is typical on most resistive touchscreens and enables a smooth, flat integration. The screens work with standard Elo controller/chip solutions and drivers under a wide variety of operating systems, and are available in a set of standard products as well as customized designs.



### Controller

AccuTouch<sup>®</sup> 2218  
Series Controller

## AccuTouch Five-Wire Resistive Specifications

Mechanical	
Input Method	Finger or gloved hand (cloth, leather, or rubber) activation, or soft stylus
Size Range*	7" to 22"

Electrical	
Positional Accuracy	Standard deviation error is less than 0.080 (2mm)
Resolution	Touchpoint density is based on controller resolution of 4096 x 4096
Touch Activation Force	Typically less than 4 ounces (113 grams)
Controller	Board: Serial (RS232) and USB Chip: Serial (RS232) and USB

Optical	
Light Transmission	HL products: 80% ± 5% at 550nm wavelength

Environmental	
Temperature/Relative Humidity	AccuTouch: -20 to 60°C, 90% RH (non-condensing) AccuTouch Zero-Bezel: Oto 50°C, 90% RH (non-condensing)
Altitude	Operating: 10,000 ft (3,048m) Storage/transport: 50,000 ft ( 15,240m)
Chemical Resistance	Industrial chemicals: acetone, methylene chloride, methyl ethyl ketone, isopropyl alcohol, hexane, turpentine, mineral spirits, unleaded gasoline, diesel fuel, motor oil, transmission fluid, antifreeze. Food-service chemicals: vinegar, coffee, tea, grease, cooking oil, salt, plus most commercial cleaners including ammonia-based glass cleaner and laundry detergent.
Electrostatic Protection	Per EN 61000-4-2, 1995: Withstands 20 discharges up to 15kV
Agency Approvals	UL cUL T0V, CE, FCC Class A
Sealability	Can be sealed to meet NEMA 4 and 12 and IP 65 standards

Durability	
Surface Durability	AccuTouch Zero-Bezel: meets pencil hardness 4H per ASTM D3363
Expected Life	Operationally tested to 35 million touches in one location without failure

Warranty	
AccuTouch: 5-year limited warranty	
AccuTouch Zero Bezel: 3-year limited warranty	

Benefits
Zero-bezel configuration for seamless design to eliminate the traditional bezel that can collect dust and dirt
4H pencil hardness resists scratching
Flat cable attachments for seamless integration and customization capabilities
No lamination of additional décor foil is required which helps to reduce costs and supply chain complexity
Stable, drift-free operation
Broad input flexibility
Contamination resistance
Accuracy in high-use applications
Can be sealed to support NEMA 4/4x/12 and IP65 standards upon integration

Applications
Point-of-sale (POS) terminals
Voting machines
Industrial automation
Medical equipment
Office automation
Retail automation
Pharmacy automation

\* Available in standard or to be made upon custom requests with in technology capability size offering. Please email Customer Service at [customerservice@elotouch.com](mailto:customerservice@elotouch.com) or contact your local office.

To find out more about our extensive range of Elo touch solutions, go to [elotouch.com](http://elotouch.com), or call the office nearest you.

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