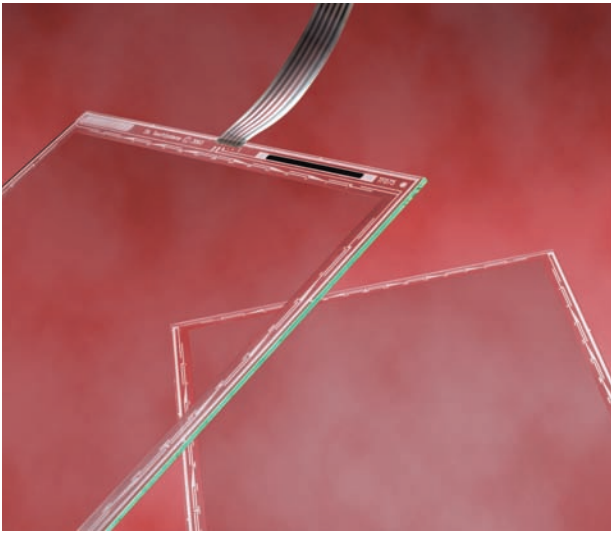


# AccuTouch Five-Wire Resistive

For Human-Machine Interface



## Applications

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

**Elo's AccuTouch touchscreens**, the proven market leader in five-wire resistive technology, are the preferred solution for applications that demand reliability, input flexibility, and contamination resistance. AccuTouch touchscreens, with its patented technology, deliver a touch response that is drift-free and accurate in high-use applications. Compare the five-wire design of AccuTouch, where both X and Y measurements are made on the stable rear glass layer vs. other resistive technology designs where the flexing plastic coversheet is used to measure one axis. AccuTouch touchscreens provide a longer product life backed by a five-year warranty—withstanding more than 35 million touches vs. the one-year warranty typical with four/eight-wire manufacturers. AccuTouch touchscreens can be sealed against contamination and certified to meet NEMA 4/4x/12 and IP 65 standards. AccuTouch touchscreens are the ideal solution for POS, voting machines, industrial automation, medical equipment, retail, office, and pharmacy automation.

## Benefits

- Stable, drift-free operation
- Broad input flexibility
- Contamination resistance
- Accuracy in high-use applications
- Long product life
- Meets NEMA 4/4x/12 and IP 65 standards

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## AccuTouch Five-Wire Resistive Specifications

### MECHANICAL

Input Method	Finger, gloved hand, or stylus activation
Available Sizes	6.4" to 21.3"; visit our Web site for full specifications and other offerings

### ELECTRICAL

Positional Accuracy	Standard deviation error is less than 0.080 (2 mm)
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 1.1 Chip: Serial (RS232) and USB

### OPTICAL

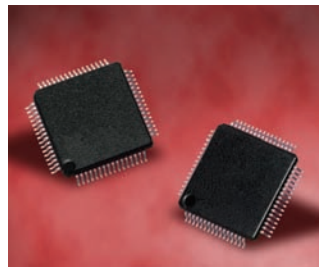
Light Transmission	HL products: 80% +/-5% at 550 nm wavelength Enhanced products: 60% +/-5% at 550 nm wavelength
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### ENVIRONMENTAL

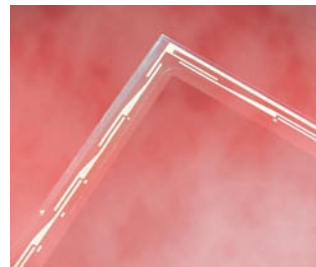
Environmental/ Relative Humidity	Operating: 90% RH at max 35°C (standard design) 90% RH at max 50°C (enhanced design) Storage: 90% RH at max 35°C for 240 hrs, noncondensing (standard design) 90% RH at max 50°C for 240 hrs, noncondensing (enhanced design)
Altitude	Operating: 10,000 ft (3,048 m) Storage/transport: 50,000 ft (15,240 m)
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 15 kV
Agency Approvals	UL, cUL, TÜV, CE, FCC Class A
Sealability	Can be sealed to meet NEMA 4 and 12 and IP 65 standards
Surface Durability	3H per ASTM D3363
Expected Life	Operationally tested to 35 million touches in one location without failure
Warranty	Touchscreen: 5-year limited warranty Controller: 5-year limited warranty



2216 combo controller board



COACh III combo controller chip



Z-border pattern for enhanced linearity

Find out more about Elo's extensive range of touch solutions. Go to [www.elotouch.com](http://www.elotouch.com), or simply call the office nearest you.

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