

# TI-5 Touch

Versatile and Durable--Ideal For Restaurants, Point-of-Sale, and Industrial Applications

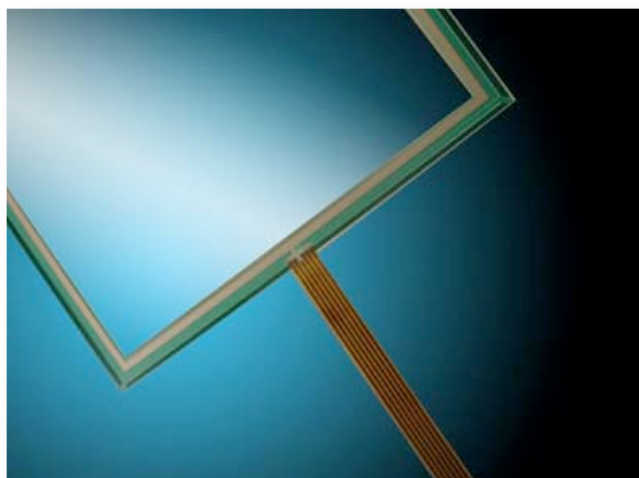
## AT A GLANCE

- Fast, accurate response time
- Versatile input--bare or gloved finger, stylus, or any pointing object
- Superior performance; drift-free operation
- Exceptionally durable
- Environmentally robust
- Chemically resistant
- Optically superior

## APPLICATIONS

- Point of Sale (POS)
- Industrial
- Medical devices
- Food Services
- Office Equipment
- Aerospace

Touch International's TI-5 Touch analog resistive touch screen gives you everything you'd expect from a top-of-the line resistive touch solution. TI-5 is ideal for high volume applications requiring versatile input methods found in point-of-sale, industrial control, and medical equipment markets. TI-5 touch is responsive, accurate, and highly affordable.



As pioneers in touch screen engineering and manufacturing, Touch International's industry proven 5-wire resistive technology delivers unparalleled flexibility in both construction and design. Whether its enhanced optics, improved durability, employing our new narrow border, or flexibility in design, TI-5 Touch can be manufactured to meet your specifications.

Backed by a 5-year warranty and 35 million touches in a single location, TI-5 Touch delivers accurate response time, optical superiority, can be sealed against contamination, and is nearly impervious to chemicals, dirt, liquids, or other harsh contaminants.

**TI-5 Touch, 5-wire resistive--From Touch International where experience matters.**



TI-5 Touch has a flexible top layer separated from a glass substrate by small, clear non-conductive dot-like spacers. Both glass and plastic layers have conductive coatings so that when the two make contact, an electrical circuit is created and a signal flows to the control destination--usually a computer. One has to exert a certain amount of pressure to get the two layers to make contact. The touch instrument is usually a finger, but just about any kind of stylus will also work.

#### SPECIFICATIONS

##### OPTICAL

Light Transmission	Up to 87% VLT available; >80% standard, >83% enhanced
Film options	Anti-glare, polish, and anti-reflective films

##### ELECTRICAL

Insulation impedance	20M ohm or >@DC 25V
Operational voltage	2.5 to 5 V D.C.
Linearity	+/- 1.5%; 3% maximum, measured @90% Active Area
Chattering time:	10 msec or less

##### MECHANICAL

Input method:	Finger, pen, bare finger or gloved hand
Touch activation force	80 grams typical
Available sizes	5.7" to 20.0" standard sizes. Custom sizes available

##### ENVIRONMENTAL

Operation temperature:	-20 °C~50 °C, <50% RH, no dew condensation
Storage temperature	-40 °C~75 °C, @50% RH, no dew condensation
Humidity	50 °C at 90% RH or lower for 240 hours, no dew condensation
Altitude	Operating: 10,000 feet, storage: 50,000 feet

##### DURABILITY/RELIABILITY

Chemical resistance	ASTM F 1598-95: 6% HC1, 40% H2SO4, 10% NaOH, gasoline, acetone ASTM D 1308-87: beer, tea, coffee, cola, ink, bleach etc.
Surface hardness	Scrape hardness 4H of ASTM D3365 and 3H JIS K5400
Touch life	35 million touches in a single location, tested to withstand 350 grams force
Pen stroke durability	6 million touches in a single location at 350 grams force
Pen sliding durability	1 million strokes at 350 grams force
Sealability	Nema 4, 12, & IP65

##### STANDARD SENSOR THICKNESS (FILM ON GLASS)

1.40 +/-0.21mm
2.13 +/-0.21mm
3.35 +/-0.21mm
*Custom thickness available

##### WARRANTY

Five-year Standard

Find out more about Touch International's Resistive Touch technology. Go to [www.touchinternational.com](http://www.touchinternational.com), or call the office nearest you.

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Please Note: Specifications are subject to change.