

TI-5: five-wire, resistive touch screen



TI-5 is a five-wire analog resistive touch screen. Designed for high volume applications requiring versatile input methods, TI-5 is targeted for factory automation, point-of-sale, industrial control, medical equipment, tablet PCs, transactional kiosks, business automation and more. With a touch life of 35 million. TI-5 comes with a standard five year warranty.

Features & Benefits

- Superior accuracy – drift free
- Chemical resistance – tested to endure household and industrial chemical exposure, such as gasoline, turpentine, coke, bleach, etc.
- Versatile input – pen, finger, and gloved hand

Specifications

Touch Technology: analog resistive

Standard Sizes (inches): 3.8~20.1"; custom sizes welcome

Optical

Film: anti-Glare, polish and anti-reflective films

Light Transmission: up to 85% VLT available; 80% standard

Electrical

Insulation impedance: 20M ohm or > @ DC 25V

Operation voltage: 2.5 to 5.5V D.C.

Linearity: 98.5% (bias less than 1.5%)

Chattering time: 10 msec or less

Mechanical

Input method: finger, pen, or gloved hand

Touch activation force: 80 grams typical

Supported Operating Systems

MS-DOS, Windows 95/98, Windows CE, ME/2000NT, OS/2, XP, Linux, etc.

Standard Sensor Thickness (Film on Glass)

1.40 +/- 0.21mm

2.13 +/- 0.21mm

3.35 +/- 0.21mm

*Custom thickness available

Environmental

Operation temperature: -20°C~60°C, <50% RH, no dew condensation

Storage temperature: -40°C ~70°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 hitting durability: 6 million touches in a single location at 350 grams force

Pen siding durability: 500,000 strokes at 350 grams force

Sealability: Nema 4, 12, & IP 65

Warranty

5 year Standard — long term warranties available.



Check out our custom solutions center for enhancements or special sizes. Upgrade options include:

- privacy filters
- daylight readability
- custom graphics
- hybrid membrane screens

Call our Custom Solutions Center today at 877.832.8292 to discuss your application requirements.



Austin, Texas
Toll Free: 1.877.832.8292
Telephone: 1.512.832.8292
sales@touchintl.com
www.touchinternational.com

Trier, Germany
Telephone: 49(0) 651 82420
sales@touchinternational.de
www.touchinternational.de

London, England
Telephone: 44 1865 88 0947
sales@touchinternational.de
www.touchinternational.de