

## 5 Wire Resistive Touchscreen Specifications

### Electrical Characteristics

**Insulation Resistance:** 20M ohm or more @ DC 25V

**Chattering Time:** 10 m sec or less

**Linearity:** ± 1.5% error or less for X axis  
± 1.5% error or less for Y axis

### Mechanical Characteristics

**Composition:** The touchscreen is made of a thin (about 1/8") sheet of glass overlaid with a layer of plastic. The resulting composite is placed in front of the LCD.

**Input Method:** Stylus, gloved hand or finger

**Touch Activation Force:** typical 80g

**Surface Hardness:** 3H or higher with ASTM D3363 standard

**Light Transmittance:** 82% ±5% (per ASTM D1003)

**Screen Resolution:** 12 bit controller 4,096 x 4,096 touchpoints

### Reliability Characteristics

**Operating environment:** from -10°C to 60°C

**Storage environment:** from -40°C to 75°C

**Moisture Resistance (Humidity):** 90% RH at max 45°C, no dew condition shall be acceptable.

**Touch Life:** Pen: 10,000,000 actuations.  
Finger: 35,000,000 actuations

**Cleaning:** The touchscreen may be cleaned with common glass cleaners, but do not use cleaners with abrasives-Comet, BonAmi, etc. The best procedure for cleaning the screen is to apply your cleaner to a soft cloth or paper towel and wipe the touchscreen until the contamination is removed.



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