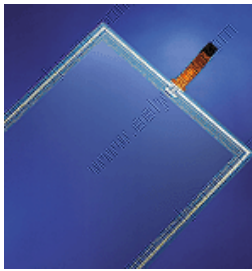




## 5-Wire Resistive Touch Screen

### ●How it works



5-Wire resistive touch screens are the preferred choice for applications still requiring a tactile touch but the need for higher durability and reliability. Similar to 4-Wire technology, the 5-Wire touch screen also consists of a conductive bottom layer (ITO Glass or Film) and a conductive top layer (ITO Film). The fundamental structure difference between the two is in the 5-Wire technology; all the electrodes are placed on the bottom layer with the top layer only acting as a voltage-measuring probe. Therefore the touch screen will operate even with scratches and damage to the top film.

### ●Specification

Circuit Rating	5VDC @ 35mA
Light Transmission	Film + Film 77%, Film + Glass 83%
Surface Hardness	3H
Life Expectancy	> 35 million touches on a single point
Resolution	4096 x 4096
Contact Bounce	<10ms
Linearity	1.5% (<1.0% by Request)
Operating Force	10g ~ 100g
Operating Temperature	-10°C ~ +60°C
Storage Temperature	-20°C ~ +70°C
Choice of Glass Substrate thickness	0.55mm, 0.7mm, 1.1mm, 2.0mm, 3.0mm
Choice of Glass Substrate	Normal, Chemically Strengthened, Acrylic*

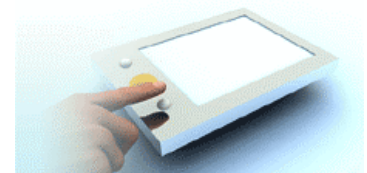
\*Custom only

### ●Highlights & Benefits

- Large range of sizes 5.8" diagonal through to 21.0" diagonal incorporating all the popular display sizes in between.
- Input flexibility – Finger (gloved or un-gloved), stylus, pen, credit card (any non-sharp pointing device).
- Superior durability and reliability with a touch life of >35 million touches on a single point.
- FPC tail technology surpasses those of our competitors.
- FPC has lower resistance and is more flexible than PET or ITO film used by our competitors.
- Excellent optical performance even with anti-glare hard coating.
- Smallest spacer dots (0.035mm) in the industry.
- Haze < 6% (best optical performance in the industry).
- Various choices of surface treatments – Anti-Newton Ring, Anti-Glare, Special Chemical Hard Coating for improved performance in hostile environments.
- Controller Boards for Serial RS-232C and USB interfaces including full cabling connections and windows driver software.



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## ●Standard Models

Model No.	Spec.	External Dimension	View Area Dimension	Active Area Dimension
EE-0585-IN-W5R	5.8"ln	138.00x108.00 mm 5.43"x4.25"	118.00x89.000 mm 4.65"x3.50"	116.00x87.000 mm 4.57"x3.43"
EE-0657-IN-W5R	6.5"ln	156.00x120.00 mm 6.14"x4.72"	136.00x100.00 mm 5.35"x3.94"	134.000x98.00 mm 5.28"x3.86"
EE-0747-IN-W5R	7.4"ln	171.90x127.40 mm 6.77"x5.01"	148.90x112.40 mm 5.86"x4.43"	145.90x109.40 mm 5.74"x4.31"
EE-0846-IN-W5R	8.4"ln	208.00x152.00 mm 8.19"x5.98"	176.00x133.00 mm 6.93"x5.24"	171.00x128.00 mm 6.73"x5.04"
EE-1044-IN-W5R	10.4"ln	249.00x186.60 mm 9.8"x7.35"	219.9x167.8 mm 8.66"x6.61"	215.9x163.8 mm 8.5"x6.45"
EE-1215-IN-W5R-B	12.1"ln	276.00x213.00 mm 10.87"x8.39"	253.00x191.00 mm 9.96"x7.52"	247.00x185.00 mm 9.72"x7.28"
EE-1215-IN-W5R-C	12.1"ln	271.27x205.74mm 10.68"x8.1"	250.87x189.4mm 9.88"x7.46"	246.37x184.9mm 9.7"x7.28"
EE-1215-IN-W5R-D	12.1"ln	265.0x209.0mm 10.43"x8.23"	247.97x186.48mm 9.76"x7.34"	245.97x184.48mm 9.68"x7.26"
EE-1413-IN-W5R	14.1"ln	321.06x249.94mm 12.64"x9.84"	289.68x218.31mm 11.4"x8.59"	287.68x216.21mm 11.33"x8.52"
EE-1503-IN-W5R-D	15"ln	337.00x257.00 mm 13.27"x10.12"	310.00x235.00 mm 12.2"x9.25"	305.00x228.00 mm 12.01"x8.98"
EE-1701-IN-W5R-D	17"ln	366.00x294.50 mm 14.40"x11.60"	342.00x274.50 mm 13.46"x10.81"	334.00x266.50 mm 13.15"x10.49"
EE-1701-IN-W5R-E	17"ln	362.00x278.00 mm 14.25"x10.94"	340.00x260.00 mm 13.39"x10.24"	320.00x238.00 mm 12.60"x9.37"
EE-1818-IN-W5R-B	18.1"ln	388.00x313.00 mm 15.28"x12.32"	363.00x291.00 mm 14.29"x11.46"	357.00x285.00 mm 10.06"x11.22"
EE-1908-IN-W5R	19"ln	395.00x300.00 mm 15.56"x11.81"	375.00x284.60 mm 14.76"x11.20"	360.00x269.60 mm 14.17"x10.61"
EE-2106-IN-W5R	21"ln	438.00x331.00 mm 17.24"x13.03"	416.60x315.00 mm 16.40"x12.40"	402.60x301.60 mm 15.85"x11.87"



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