



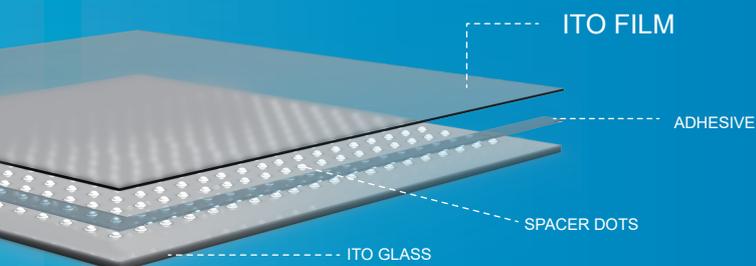
## 5-Wire Resistive Touch Solution

Extremely stable, reliable and immune to electromagnetic interference, resistive touch technology remains popular today for critical applications such as for medical, aerospace and military use. Higgstec specializes in production of **5-Wire Resistive** technology because of its **superior endurance and reliability**. 5-wire resistive screens don't require repeated calibration and can continue to function even when the surface has been scratched or damaged, because both the X and Y axis are detected on the lower (glass) layer, while the upper (film) layer is used as loop conduction only.

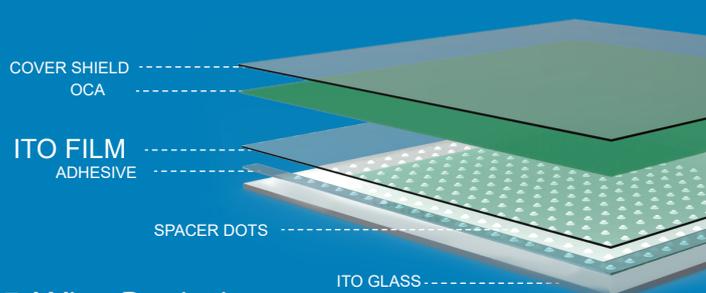
Higgstec also uses a special **high temperature production process** and silver paste to fuse the silver sensor circuit onto the glass, preventing it from peeling off during extreme temperature or humidity variations, ensuring greater longevity and durability in harsh operating environments.

A front cover shield (glass, fiberglass, PMMA or other material) can also be added to the front of the resistive panel for anti-abrasion and chemical resistance protection.

### 5-Wire Resistive



### Anti-Abrasion 5-Wire Resistive



## Benefits of Higgstec 5-Wire Resistive

### Durability

Tested for up to 35 million touches. High temperature production process ensures excellent durability even in harsh operating temperatures.

### Operation

Precise linearity, stable and no drifting.  
Versatile input: fingers, gloves, passive stylus

### Mechanical

5-wire resistive design ensures long-lasting stability and functionality even if surface is scratched or broken.



High temperature production process for ultra-durability



Soldered FFC tail for excellent pulling strength



FPC tail can be customized for length, location and shape.

**TOUCH PANEL SPECIFICATION**

Size Range	4.3" – 24" (standard)	3.5" – 24" (customized)
<b>Optical</b>		
Light Transmittance	≥77% (Measured by BYK-Gardner)	
Haze	8% ± 3%	
<b>Mechanical</b>		
Input Methods	Finger, glove or passive stylus	
Number of Touches	Single	
Touch Activation Force	R0.8 Stylus ≤ 50g	
Surface Hardness	≥ 3H	
Tail Options	FFC tail or FPC tail. Customize tail length and location.	
Customization Options	Solar resistance, privacy filter, EMI-shielding, anti-glare, anti-reflection, hard-coated film	
<b>Electrical</b>		
Linearity	X ≤ 1.5%, Y ≤ 1.5%	
<b>Reliability</b>		
Operation Temperature / Humidity	-10 ~ +70°C	20%RH ~ 85%RH
Storage Temperature / Humidity	-40 ~ +80°C	20%RH ~ 90%RH
Knock Test	10,000,000 times (For military, automotive, high standard applications could reach 35,000,000 times with special materials)	
Compliance	CE, FCC, RoHS, REACH	
Warranty	2-year limited warranty	
<b>Controller*</b>		
Interface	USB / RS232 / COMBO	
Power Requirements	3.3~5V DC, 100mA typical	
OS Supported	Windows, Android, Linux, Mac, QNX	

*\*Typical values, various controller solutions available*