

TOUCH SCREEN COMPARISON

	5-Wire Resistive	Surface Capacitive	Projected Capacitive	SAW	Infrared
Sensor Substrate	Polyester top sheet. Glass substrate w/ ITO coating	Glass w/ ITO coating	Glass w/ ITO coating	Glass w/ ITO coating	Any Substrate
Activate With Any Object	Any object	Finger or capacitive stylus	Finger, capacitive stylus, surgical glove	Finger, gloved hand, soft/pliable stylus	Most objects
Transmissivity/Clarity	Good 75-85%	Very Good 90-98%	Very Good 90-98%	Very Good 90-98%	Best 95-100%
High Sensitivity (Light Touch)	Good	Very Good	Very Good	Very Good	Best
Stable Calibration	Very Good	Good	Very Good	Very Good	Best
High Accuracy & Repeatability	Very Good	Good	Best	Very Good	Very Good
Scratch Resistance	Poor	Very Good	Best	Best	Best
Not Sensitive to Humidity	Best	Best	Best	Very Good	Very Good
Not Sensitive to Rain/Snow	Best	Very Good	Very Good	Average	Good
Not Sensitive to Cleaning Chemicals	Very Good	Very Good	Best	Very Good	Best
Not Sensitive to Surface Contaminants	Best	Very Good	Very Good	Average	Good
Not Sensitive to EMI/RFI	Best	Average	Average	Very Good	Best
Not Sensitive to Vibration	Best	Very Good	Very Good	Very Good	Best
Not Sensitive to Ambient Light	Best	Best	Best	Best	Good
Multi Touch	No	No	Yes	No	Yes