

## SPK Product: SR-Touch™

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### Sunlight Readable Resistive Touch Panel

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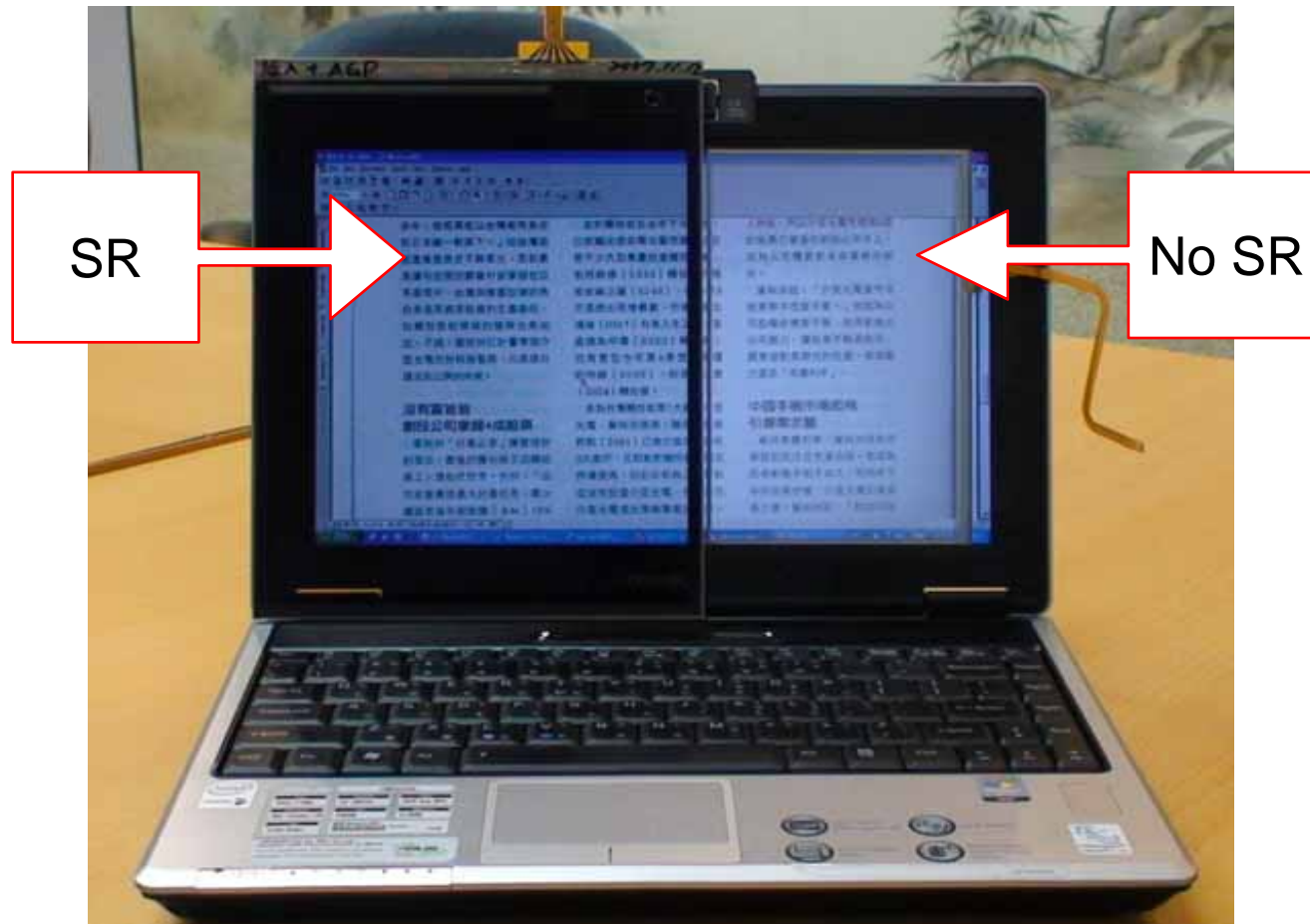
- Feature low surface reflection rates that provide sunlight readability in all lighting conditions including direct sunlight
- Based on Film on Glass Structure
- No new tooling required for existing models
- Available for all 4/5/8-wire touch panels
- May achieve the best optical performance when using with transfective or any outdoor viewing TFT panels
- Suitable for GPS, test instrument, hand-held, mobile, etc. outdoor applications
- \* **SR-Glass™** (sunlight readable protective glass) also available
- \*\* **SR-Touch™ + SafeGuard™** vandal proof option available



# SR-Touch™ Performance (Indoor)

Performance Demonstration

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# SR-Touch™ Performance (Outdoor)

Performance Demonstration

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# SR-Touch™ Specification

Type		SPK 1	SPK 2	SPK 3
Product Name		SR-Pro	SR-Dual	SR-HT
Environmental Characteristics	Operating Temp. ( )	-10 ~ 60	-10 ~ 60	-10 ~ 60
	Storage Temp. ( )	-20 ~ 70	-20 ~ 70	-20 ~ 70
Optical Characteristics	Transmittance (%)	>38%	>68%	>73%
	Reflection (%)	1.5 ~ 3.5%	3.5 ~ 4.5%	8.0 ~ 10.0%
Electrical Characteristics	Terminal Resistance ( $\Omega$ )	200 ~ 2000	200 ~ 2000	200 ~ 2000
	Linearity (%)	1.5 % or less	1.5 % or less	1.5 % or less
	Operation Voltage (V, DC)	DC 5V	DC 5V	DC 5V
	Chattering (msec)	30	30	30
	Insulation ( $\Omega$ )	20 M $\Omega$ /25V(DC)	20 M $\Omega$ /25V(DC)	20 M $\Omega$ /25V(DC)
	Operative Resistance ( $\Omega$ )	2K $\Omega$	2K $\Omega$	2K $\Omega$
Mechanical Characteristics	Activation Force (g)	100 ~ 150g	100 ~ 150g	100 ~ 150g
	Hardness	2H/3H (JIS)	2H/3H (JIS)	2H/3H (JIS)
Reliability	Constant Temperature/ Humidity	60 ,90%RH (240hr)	60 ,90%RH (240hr)	60 ,90%RH (240hr)
	Heat Cycle	60 (240hr)	60 (240hr)	60 (240hr)
	Cold Cycle	-10 (240hr)	-10 (240hr)	-10 (240hr)
	Thermal Cycle	-10 ~60 (10cycle)	-10 ~60 (10cycle)	-10 ~60 (10cycle)
Durability	Finger Touch	1 M touches	1 M touches	1 M touches
	Pen Slide	100 K touches	100 K touches	100 K touches

**Remarks:**

1. To achieve the best optical performance, LCDs are required for index matching.
2. Smaller or larger sizes available; specs to determine.
3. Defined optical specification measured based on 1.1mm glass.