

RG Touch

MAXIMUM STRENGTH FOR DEMANDING ENVIRONMENTS

AT A GLANCE

- **Exceptional impact, vandal and scratch resistance**
- **Ideal for public access applications**
- **No drift, no recalibration required**
- **Unaffected by environmental factors; moisture, rain, or temperature**
- **Finger only**

APPLICATIONS:

- **Gaming**
- **Kiosk**
- **Banking**
- **Web Phones**
- **Vending Machines**

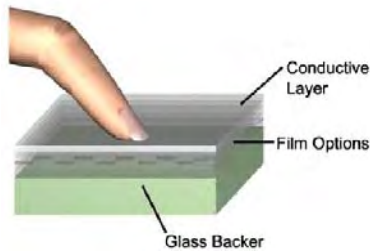
Touch International's RGTouch delivers unmatched durability for unattended public access applications where the threat of vandalism or other potential threats is high. Our highly durable, break-resistant capacitive technology has been engineered to withstand the high volume of traffic and rough treatment found in these high use, high abuse public environments.



RGTouch is an all-glass sensor with a transparent, thin-film conductive coating applied to its front surface with a layer of tempered glass laminated to the back surface making the sensor virtually shatterproof. Engineered to surpass the UL 60950-1 Impact test, RGTouch touch screens are designed to provide the highest levels of light transmission, excellent readability, and unsurpassed protection against a wide range of physical threats. RGTouch is also available with light control film for added privacy and security.

RGTouch is proven to meet today's demanding requirements for ATMs, interactive kiosks, gaming and vending applications. Our touch screens are durable, dependable, and can be hermetically sealed; RGTouch's construction protects against damage caused by moisture, heat, and vandalism.

RGTouch — From Touch International where experience matters.



RGTouch has a precisely printed electrode pattern along the edge of the conductive layer of the sensor. A transparent overcoat is fused over the conductive coating to protect and seal the sensor. The glass sensor is often etched to provide the suitable anti-glare properties for the touch screen application. A layer of tempered glass is then laminated to the back of the sensor to increase impact-resistance.

SPECIFICATIONS

OPTICAL

Light Transmission	81% typical
Surface Finishes	Anti-glare and anti-reflective

ELECTRICAL

Input Method	Finger only
Insulation Impedance	Exceeds 20 Meg ohms, @25V
Operational voltage:	5v and 12v DC
Linearity:	99% with calibrated electronics
Chattering time:	10 msec or less
Communication	RS-232C TTL Level

MECHANICAL

Surface Hardness	Scrape hardness 6H of ASTM D3365 and 5H JIS K5400
Touch Activation Force:	50 grams typical
Thickness	6.25mm to 8.57mm +/- .25mm (custom thicknesses available)
Size and shape	Curved—15", 17", and 19" Flat—12.1", 15", 17", and 18.1"
Impact Resistance Text	Meets or exceeds UL60950-1 Impact Test

ENVIRONMENTAL

Operation temperature:	-20°C~50°C, <50% RH noncondensing
Storage temperature:	-40°C~70°C, <50% RH noncondensing
Humidity:	@90% RH noncondensing for 240 hours
Touch Durability Electrically	50 million touches in a single location
Touch Durability Cosmetically	250 million touches in a single location
Chemical Resistance*	ASTM D 1308 87 (1993), ASTM D 15989 95: Resistant to such contaminants as coffee, tea, vinegar, juice, and coke
Neema Rating	NEMA Sealable; Neema 4, 12, and IP65
Cleaning	Water, isopropyl, alcohol, and non-abrasive cleaners

WARRANTY

Five- year Standard

Find out more about Touch International's RGTouch technology, go to www.touchintl.com, or call the sales office nearest you.

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