

CG Touch

Surface Capacitive Touch Technology

The capacitive sensing, all glass CG Touch Sensor from Touch International is a high performance touch solution offering speed, accuracy, optical clarity and pin-to-pin compatibility. The CG Touch is ideal for space constrained applications such as kiosks, point-of-sale, ATMs and gaming applications.

At a Glance

- High Impact, Vandal and Scratch Resistant
- Ideal for Public Access Applications
- No Drift and No Recalibration Required
- Unaffected by Environmental Factors; Moisture, Rain or Temperature
- Finger Input

Applications

- Gaming
- Kiosk
- Banking
- Vending Machines



The CG Touch is available in both standard and custom sensors and is designed for pin-to-pin compatibility to competitors products for easy drop-in replacement. Available in curved or flat, CG Touch is proven to meet the harsh demands found in high traffic, high vandal public access sectors.

Touch International's capacitive technology is extremely tough, hardwearing and unaffected by harsh conditions. It also has the benefit of high optical clarity with low reflection, so no light is lost through the touch screen from the LCD making it optically superior. Tested with over 50 million touches on the same surface touch point, CG Touch is one of the toughest and longest lasting touch sensors available today.

Capacitive Controllers

Part Numbers:

57-B-5-09S

57-B-5-08S

57-B-5-12

Sensor Sizes

Flat:	Curved:
10.1" 18.1"	14.3" 19.0"
12.0" 19.0"	15.0" 20.0"
15.0" 20.0"	16.6"
17.0" 22.0"	17.0"

*Custom Sizes Also Available



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CGTouch Capacitive touch screens comprise an all glass sensor coated with an ultra fine layer of tin antimony oxide providing a conductive surface from which the capacitance of the human body can be picked up, creating an X/Y coordinate.

Specifications

Optical

Material	Pure Glass (Standard)
Light Transmission	Up to 88%, 83% Typical
Film Options	Anti-Glare and Anti-Reflective

Electrical

Input Method	Finger Only
Insulation Impedance	20 M Ohms, @DC 25V
Operational Voltage	5v and 12v D.C.
Linearity	99% With Calibrated Electronics
Chattering Time	10msec or Less
Communication	RS-232C TTL Level

Mechanical

Surface Hardness	Scrape Hardness 6H of ASTM D3365 and 5H JIS K5400
Touch Activation Force	50g (Typical)
Thickness	3.25mm to 4.57mm +/- .25mm (Custom Thicknesses Available)*
Available Sizes	Curved: 15", 17", 19"; Flat: 12.1", 15", 17", 18.1"
Supported Operating Systems	MS-DOS, Windows 95/98/2000, CE/ME/2000NT, OS/2, XP, Linux

Environmental

Operation Temperature	-20°C ~ 50°C, <50% RH, No Dew Condensation
Storage Temperature	-40°C ~ 70°C, <50% RH, No Dew Condensation
Humidity	50°C at 90% RH or Lower for 240 Hours, No Dew Condensation
Altitude	Operating: 10,000 Feet Storage: 50,000 Feet

Durability/Reliability

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 (1983), ASTM D 15989 95: Resistant to Containments Such as Tea, Coffee, Vinegar, Juice and Coke
NEMA Rating	NEMA Sealable; NEMA 4, 12 & IP65
Cleaning	Water, Isopropyl Alcohol and Non-Abrasive Cleaners

Other Specifications

Warranty	5 Year Standard - Long Term Warranties Available
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* Specifications are subject to change.

For additional information on Touch International products and solutions, contact a sales representative or e-mail sales@touchintl.com.



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