

Secure and Rugged



Benefits

- High endurance solutions for rugged applications
- Capable of enduring high levels of impact without damage or unresponsiveness
- Enhanced brightness and contrast for vivid, distinct color and superior graphics
- Transparent, conductive coating seals and protects against scratches, abrasions and heavy use

For rugged applications where reliability and durability are an issue, Bergquist Capacitive touch screens deliver robustness, security and exceptional performance. Bergquist Capacitive touch screens are highly responsive and can endure high levels of impact without becoming damaged. Bergquist Capacitive touch screens are unaffected by dirt, water or grease. The user touches a vacuum deposited conductive coating applied to glass. There are no mechanical switches or film to wear out or be damaged.

Bergquist Capacitive touch screens not only provide protection in demanding environments, but offer superior optics and aesthetics. Enhanced conductive coatings increase brightness and contrast which produce vivid, distinct colors, with faster response times and increased sensitivity when compared to other touch screen technologies such as Surface Acoustic Wave and Infra Red. Bergquist Capacitive touch screens ensure high-endurance touch screens with superior optical performance.

Bergquist Capacitive Touch Specifications	
	Commercial
Linearity	≤1.0%
Insulation Resistance	≥20MΩ/25V(DC)
Life Time	200 million touches
Operation Temperature	-20°C to +70°C
Storage Temperature	-50°C to +85°C
Constant Temperature/Humidity	70°C / 90%RH / 500 hrs
High Temperature	70°C / 500 hrs
Low Temperature	-40°C / 500 hrs
Thermal Cycle	-40°C ~70°C (60min./cycle) 100cycles
Connection Tail	FFC
Surface Hardness	≥7H
Activation Force	≤10g Finger
Structure	Glass
Transparency	≥90% - AR Coating
Haze	Clear Finish ≤5% or Anti-Glare Gloss = 100GU