

Bergquist Part Number: 400403

Revision: A

Description: 12.1" 5-wire Resistive Touch Screen

Mechanical Dimensions and Construction.

	Specification	Remarks
Overall Dimensions	10.680" x 8.100", 271.27mm x 205.74mm	+/- .015", +/- .20mm
Overall Thickness	.087", 2.2mm	+/- .008", +/- .20mm
Viewable Area	9.956" x 7.535", 252.87mm x 191.40mm	+/- .015", +/- .20mm
Active Area	9.798" x 7.378", 248.87mm x 187.40mm	+/- .015", +/- .20mm
Nominal Glass Thickness	.073", 1.85mm	

*See mechanical drawing for additional specification

Environmental Specification

	Specification	Remarks
Operating Temperature	-10° C ~ +70° C	
Storage Temperature	-40° C ~ +80° C	
Constant Temperature/ Humidity	70° C/ 80% RH/ 500 Hrs.	Tested at ambient temperature after cycle
Thermal Shock	-40° C ~ +80° C 60 min/cycle/100 times	Tested at ambient temperature after cycle
Chemical Resistance	Acetone, methylene chloride, methyl ethyl ketone, isopropyl alcohol, mineral spirits, unleaded gasoline, diesel fuel, antifreeze, vinegar, coffee, tea, cooking oil, most commercial cleaners including laundry detergent, and ammonia based glass cleaners	

Optical Characteristics

	Specification	Remarks
Light Transmission	>80%	Anti-Glare
Haze	<9.5%	Anti-Glare

Linearity Characteristics

	Specification	Remarks
Direction X	<1.5%	Linearity is the value of the max. error voltage
Direction Y	<1.5%	Linearity is the value of the max. error voltage

Durability

	Specification	Remarks
Activations	35 Million	
Activation Force	≤50g Stylus	
Top Film Hardness	3H	ASTM D3363
Tail Bond Strength	>25 lbs	90° Tail Pull

Electrical Specifications

	Specification	Remarks
Operating Voltage	5.5V or Less	
Insulation Resistance	≥ 20 MΩ at 25 V(DC)	
Electrostatic Protection	20 discharges at 15Kv	EN 61000-4-2

Warranty

5-year limited warranty

Mechanical Drawing

**See attached drawing