



Bergquist Part Number: 400457

Revision: A

Description: 12.1" 5-wire Resistive Touch Screen

Mechanical Dimensions and Construction.

	Specification	Remarks
Overall Dimensions	271.27mm x 205.74mm	+/- .30mm
Overall Thickness	2.47mm	+/- .30mm
Viewable Area	252.87mm x 191.40mm	+/- .20mm
Active Area	248.87mm x 187.40mm	+/- .20mm
Nominal Glass Thickness	1.85mm	

*See mechanical drawing for additional specification

Environmental Specification

	Specification	Remarks
Operating Temperature	-10° C ~ +70° C	Standard
Storage Temperature	-40° C ~ +80° C	Standard
Constant Temperature/ Humidity	70° C/ 80% RH/ 500 Hrs.	Non Condensing. 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	10 minutes at room temperature

Optical Characteristics

	Specification	Remarks
Light Transmission	>80%	Anti-Glare with Micro-glass Surface
Haze	<5%	Anti-Glare with Micro-glass Surface

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	≤60g Stylus	
Top Film Hardness	6 Mohs	ASTM D3363
Tail Bond Strength	>13 lbs	Straight 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

2-year limited warranty

Mechanical Drawing

** See attached drawing