

**Bergquist Part Number: 400552**

**Revision: A**

**Description: 7.0" Projected Capacitive Touch Screen**

**Mechanical Dimensions and Construction.**

	<b>Specification</b>	<b>Remarks</b>
<b>Overall Dimensions</b>	166.40mm x 108.40mm	+/- .30mm
<b>Overall Thickness</b>	1.75mm	+/- .20mm
<b>Viewable Area</b>	153.40mm x 92.44mm	+/- .50mm
<b>Active Area</b>	152.40mm x 91.44mm	+/- .50mm
<b>Nominal Glass Thickness</b>	1.1mm	

\*See mechanical drawing for additional specification

**Environmental Specification**

	<b>Specification</b>	<b>Remarks</b>
<b>Operating Temperature</b>	-20° C ~ +70° C	Standard
<b>Storage Temperature</b>	-40° C ~ +80° C	Standard
<b>Constant Temperature/ Humidity</b>	40° C/ 90% RH	Non Condensing. Tested at ambient temperature after cycle
<b>Thermal Shock</b>	N/A	Tested at ambient temperature after cycle
<b>Chemical Resistance</b>	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**

	<b>Specification</b>	<b>Remarks</b>
<b>Light Transmission</b>	>88%	Clear
<b>Haze</b>	<3%	Clear

**Linearity Characteristics**

	<b>Specification</b>	<b>Remarks</b>
<b>Direction X</b>	<1.5% (Inner A.A.), <2.5% (10mm Perimeter of A.A.)	Linearity is the value of the max. error voltage
<b>Direction Y</b>	<1.5% (Inner A.A.), <2.5% (10mm Perimeter of A.A.)	Linearity is the value of the max. error voltage

**Durability**

	<b>Specification</b>	<b>Remarks</b>
<b>Activations</b>	Unlimited	
<b>Activation Force</b>	Forceless	
<b>Top Film Hardness</b>	Mohs 5	ASTM D3363
<b>Tail Bond Strength</b>	500gw at 90°	Tail Pull

**Electrical Specifications**

	<b>Specification</b>	<b>Remarks</b>
<b>Operating Voltage</b>	5.5V or Less	
<b>Insulation Resistance</b>	≥ 10 MΩ at 25 V(DC)	
<b>Electrostatic Protection</b>	20 discharges at 15Kv	EN 61000-4-2

**Warranty**

**Mechanical Drawing**

\*\* See attached drawing