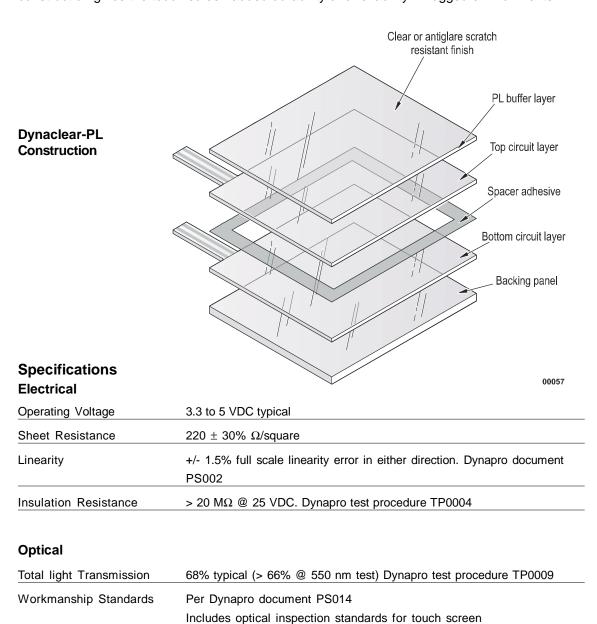
Specifications



Dynaclear[™] PL Resistive Touch Screen

Dynapro's DynaclearTM Polyester Laminated (PL) touch screen construction produces the most rugged resistive touch screen in the industry. This is Dynapro's strongest design because it consists of layers of polyester bonded over the entire surface, rather than just at the edge, to a chemically toughened glass panel.

This combination, of full optical lamination and a backing panel that is three to four times stronger than non-strengthened glass, provides break resistance similar to safety glass. This construction gives the touch screen added durability and reliability in rugged environments.



Dynaclear™ PL Resistive Touch Screen

Environmental

Operating Temperature Range	-20°C to +50°C, ambient humidity
	Dynapro test procedures TP0006 and TP0007
Storage Temperature High	+70°C, 500 hours at ambient humidity
	Dynapro test procedure TP0003
Storage Temperature Low	-40°C, continuous at ambient humidity
	Dynapro test procedure TP0005
Accelerated Aging	100 hours continuous exposure at 60°C/95% RH
	Dynapro test procedure TP0001
Thermal Shock	25 cycles (one cycle is 30 min. dwell alternating from -40°C to +85°C
	with less than 10 min. transfer time). Dynapro test procedure TP0008

Mechanical

Activation Method	Gloved or ungloved finger
	Delrin or plastic stylus (no metal) with 1mm radius full hemispherical
	tip
Activation Force	< 70g average with non-metal stylus
	< 90g average with 5/8" diameter silicone finger
Data is for .006" diameter,	Custom activation force and palm rejection available.
.160" pitch spacer dots	Dynapro test procedure TP0002

Durability

Point Activation Life	1 Million activations on a single point with a 5/8" diameter silicone
	finger with a 350g load at 2Hz
Character Activation Life	>100,000 characters written within a 20mm x 20mm
	area on the touch screen
Surface Finish Properties	Minimum 4H hardness. Refer to <i>Touch Screen Surface Finishes Data</i> Sheet 1005 for more details

Specifications subject to change without notice. All values are typical. Products are sold with the understanding that buyers will test them in actual use and determine the product's adaptability to their application. Touch screen must be installed per *Dynapro Custom Touch Screen Design Guide D-CDG 100 and Dynapro Touch Screen Integration Guide D-IG-100*. Failure to adhere to recommended installation may affect ability to meet specifications stated within this document.

Supporting Documents

Touch Screen Surface Finishes Data Sheet 1005
Test Procedures: TP0001, TP0002, TP0003, TP0004, TP0005, TP0006, TP0007, TP0008, TP0009
Product Standards: Workmanship Standard for Dynapro Touch Screens PS014
Electrical Testing of Analog Resistive Touch Screens PS002



For more information on our resistive stock products or custom design solutions, visit us at

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Tel: 414-365-3555 Fax: 414-365-1133 Dynapro simplifies interaction between people and technology by designing and manufacturing world class touch products, from touch screen components to touch computers, terminals, and monitors.

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