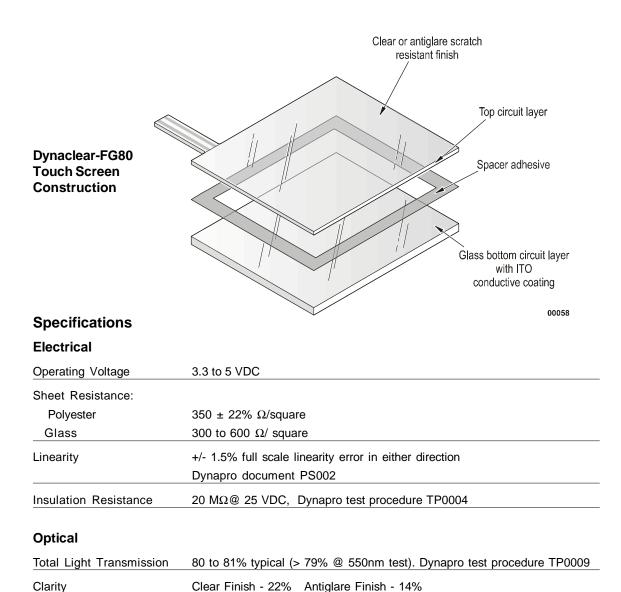


## Dynaclear<sup>™</sup> FG80 Resistive Touch Screen

Dynapro's Dynaclear-FG80 resisitive touch screen construction is an optically superior, smooth and flat touch interface designed for use in a variety of computer products. The Dynapro Flex-on-Glass® (FG) design uses fewer layers and is specially developed with a thinner and more transparent ITO, which results in 80% light transmission. Combine this with virtually invisible spacer dots, and it all adds up to a clearer and more optically appealing resisitive touch screen with brighter, more vivid images - even over low light displays.



Per Dynapro document PS014

Includes optical inspection standards for touch screen

Workmanship Standards

## Dynaclear™ FG80 Resistive Touch Screen

## **Environmental**

After tes	sts below	, touch	screen	continued	to	meet	electrical	and	optical	performance	specs.	

-20°C to +50°C, 2 weeks at 50°C/90% RH, Dynapro test procedures TP0006, TP0007					
+70°C, 240 hour continuous at ambient humidity, Dynapro test procedure TP0003					
-40°C, continuous at ambient humidity, Dynapro test procedure TP0005					
100 hours continuous exposure at +60°C/95% RH, Dynapro test procedure TP0001					
25 cycles (one cycle is 30 min. alternating from -40°C to +70°C with less than 10 min. transfer time), Dynapro test procedure TP0008					
Gloved or ungloved finger  Delrin or plastic stylus (no metal) with 1mm radius  full hemispherical tip					
< 25g average with non-metal stylus < 50g average with 5/8" diameter silicone finger					
Custom activation force and palm rejection available  Dynapro test procedure TP0002					
>1 Million activations at a single point with a 5/8" diameter silicone finger with a 350g load at 2Hz					
>100,000 characters written within a 20mm x 20mm area on the touch screen					
4H or greater pencil hardness. Refer to <i>Touch Screen Surface</i> Finishes Data 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 smust 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 Standards for Dynapro Touch Screens PS014
Electrical Testing of Analog Resistive Touch Screens PS002



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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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