



Dignity Electronics Resistive Touch

Resistive Touch Panel (RTP) Series



Product Size Range

Custom: 4.3" –15.6"



Customization Options

Full range of touch sensor and electronics options



Product Support

Firmware tuning and software support provided

Product Overview

Dignity offers a range of custom developed 4-wire Film-Glass (FG) Resistive touch screens for a variety of industrial, instrumentation and other applications. With more than a decade of resistive touch screen development and production experience, Dignity can provide a solution for those applications that require cost-sensitivity or other considerations that make project capacitive technology unsuited. Resistive touch panels accept a variety of touch inputs, have excellent EMI and liquid resistance and are well suited for industrial environments.

Product Applications



Home
Appliances



POS Machines



Industrial &
Instrumentation



Medical
Equipment

Features

- Highly resistant to ESD and electronic noise/interference
- Operate reliably even in the presence of water or other liquids
- Can utilize a range of touch inputs, including heavy work gloves and cards, styluses
- Well suited to difficult and demanding environments

Product Customization

<i>Parameter</i>	<i>Options & Notes</i>
Screen Size (Diagonal inches)	Custom: 3" – 15.6"
Integrated LCD	Yes / No
Product Construction	4-Wire Film Glass (FG)
Integration	Tape Bonding / Optical Bonding (OCA & LOCA)
<i>Touch Controller & Interface</i>	
Controller Location	COB / COF
Controller Type	EETI
Interface	I2C, USB, RS232, UART
Operating System	Windows XP, 7-10, Linux, iOS, Android
Performance Options	1-2 touch points

Product Specifications - General

<i>Item</i>	<i>Specifications</i>
<i>General</i>	
Type	4-Wire Film Glass Resistive
Input Method	Finger, Passive Stylus, Gloved Touch, Any Non-Pointed Object
Hardness	≥ 3H
Operating Voltage	≤ 5V
Response Time	≤ 20 ms
Touch Accuracy	± 1-2mm
<i>Durability</i>	
Warranty	Standard Products: 1 year / Custom: As per application
Tapping	1000k
Sliding	100k
<i>Optical</i>	
Transmittance	≥ 75%
Haze	≤ 7%
<i>Environmental</i>	
Storage Temp	-20°C ~ +70°C
Operating Temp	-10°C ~ +60°C
Relative Humidity	10 – 90% RH Non-Condensing

To find out more about our range of standard and custom touch solutions, or to consult on a project, please visit www.dignity.com.cn or contact the sales office nearest you.

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