

TR-6000

6-Wire Resistive Touch Sensor

Advantages

- Silver carbon process for noise killer and narrow border width
- Chip-on-cable for quick calibration
- Long touch life
- Fast response
- Palm rejection optional

TR-5000 Specifications

MECHANICAL

Available Size	6.4 to 21
Input Method	Finger, gloved hand or touch stylus
Touch Activation Force	Typically less than 125g
Glass Thickness	Finger touch force less than 125g with 8mm diameter silicon rubber SR 60HS Pen touch force less than 120g with 0.8mm diameter tip Polyacetal POM
Option	1.1mm(for sensor size undeer 8.4)

ELECTRICAL

Insulation Resistance	20M Ω or more @ DC 25V
Chattering Time	10ms or less
Linearity	$\pm 1.5\%$ error or less for X axis $\pm 1.5\%$ error or less for Y axis

OPTICAL

Transmittance	83% $\pm 5\%$
Surface Finish	Anti-glare or polish

ENVIRONMENTAL

Temperature	Operating:-10 $^{\circ}$ C to 60 $^{\circ}$ C, less than 90% RH Storage:-40 $^{\circ}$ C to 75 $^{\circ}$ C, less than 90% RH
High Temperature and Humidity	60 $^{\circ}$ C and 90% RH for 120 hours

DURABILITY

Surface Hardness	3H or higher per ASTM-D3363
Touch Life	Pen sliding : more than 500K times Pen hitting : more than 10M times Finger touch : more than 35M times

WARRANTY

5-years limited warranty

CT-620TR(U) . 620TR(U)C Controller Specifications

OUTPUT PORT

RS-232(Serial) : bidirectional communication
USB

PORT PARAMETERS

RS-232(Serial) : no parity, 8 data bits, 1 stop bit 9600 baud (N,8,1,9600)
USB : USB 1.1 Low Speed

CIRCUIT BOARD SIZE

CT-620TU(C) USB : RS-232mm x 33 mm x 62mm (1.30x2.44)
CT-620TU(C) USB : 33 mm x 62mm (1.30x2.44)

POWER REQUIREMENTS

DC+5V
(50mV peak-to-peak maximum ripple and noise)

TOUCH RESOLUTION

2048 x 2048

SUPPORTED OPERATION SYSTEM

MS-DOS, Win 95/98/ME/NT/2000/XP, Win CE
Win CE, Net, Linux, MAC, etc.

ENVIRONMENTAL

Temperature	Operating : 0 $^{\circ}$ C to 50 $^{\circ}$ C Storage : -40 $^{\circ}$ C to 80 $^{\circ}$ C
High Temperature and Humidity	60 $^{\circ}$ C and 95% RH
Agency Approvals	FCC-B, CE RoHS

WARRANTY

1 year limited warranty

Applications

Kiosks	
Tablet Pcs	/ Car PC
Industrial Automation	/ Point-of-Sale (POS) Terminals
MIRA(Smart Displays)	/ Medical Equipment

Controllers



CT-620TR



CT-620TU