



display werks

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3250 Series LCD Touch Screen Monitor

Large Format Interactive LCD

Display Werks Part #3250-TU-PN325-4D, Based on the Sharp PN-325

- 32" LCD Touch Screen
- Integrated Rugged SAW (Surface Acoustic Wave) Touch Screen
- Supports multiple video inputs
- 1366 x 768 High Resolution
- USA Service and Technical Support
- Touch Screen Integrated within Factory Enclosure
- 3 Year Warranty (Monitor)
- 3 Year Warranty (Touch Screen and Controller)



LCD Monitor Model: Sharp PN-325

- LCD Element:** 32" diagonal LCD
- Max. Resolution:** (pixels) 1366 x 768
- Pixel pitch:** 0.511mm (H) x 0.511 (V)
- Max. Colors:** 16.77 Million colors (8 bits/color)
- Display Response Time:** 6 ms
- Viewing Angle:** 176° right/left/up/down
- Screen active area:** inch (mm) 27.44 x 15.44 (697.7 x 392.2)
- Contrast Ratio:** 1500:1
- Brightness:** 420cd/m²
- Power Requirements:** AC 120VAC, 60 Hz / 130W
- Operating Temperature:** 0°C to 40°C
- Operating Humidity:** 20% to 80% (no condensation)
- 24 hour operation:** Yes / Internal fans operate when temperature exceeds standard value.
- Dimensions:** inch (mm) Approx. 31.06 x 18.75 x 5.50 (789 x 477 x 140) excluding protrusions, Touch Screen integrated.
- Speakers:** Optional (Optional Speaker attaches to the bottom in landscape mode)
- Weight lbs:** (kg) Approx. 38.4lbs (17.5) with integrated Touch Screen installed.



Display Werks is a Sharp authorized integrator.



Display Werks is an authorized 3M™ DST system integrator.

Input Terminals		Output Terminals	
DVI-D	24 pin (DVI 1.0)	Composite Video	BNC
RGB	Mini D Sub 15Pin x 1	Audio	Fixed audio line out (RCA L/R)
RGB	BNC X 5 shared with component video *1 *2	Speaker Terminals	7W x &W Audio Out 6Ω minimum
Component	Y, Pb/Cb, Pr/Cr (480i/p, 576i/p, 720p, 1080i) *2		
S-Video	x1	Quality and Innovation in LCD Integration.™	
Composite	BNC (Y, Cob/Pb, Cr/Pr) x 1		
Serial RS232C	Mini D Sub 15Pin x 1		
Audio AV	Line In for AV (RCA L/R)		
Audio PC	Line In for PC (3.5 mm mini Jack)		

*1 Cannot be used simultaneously *2 Does not support Plug and Play



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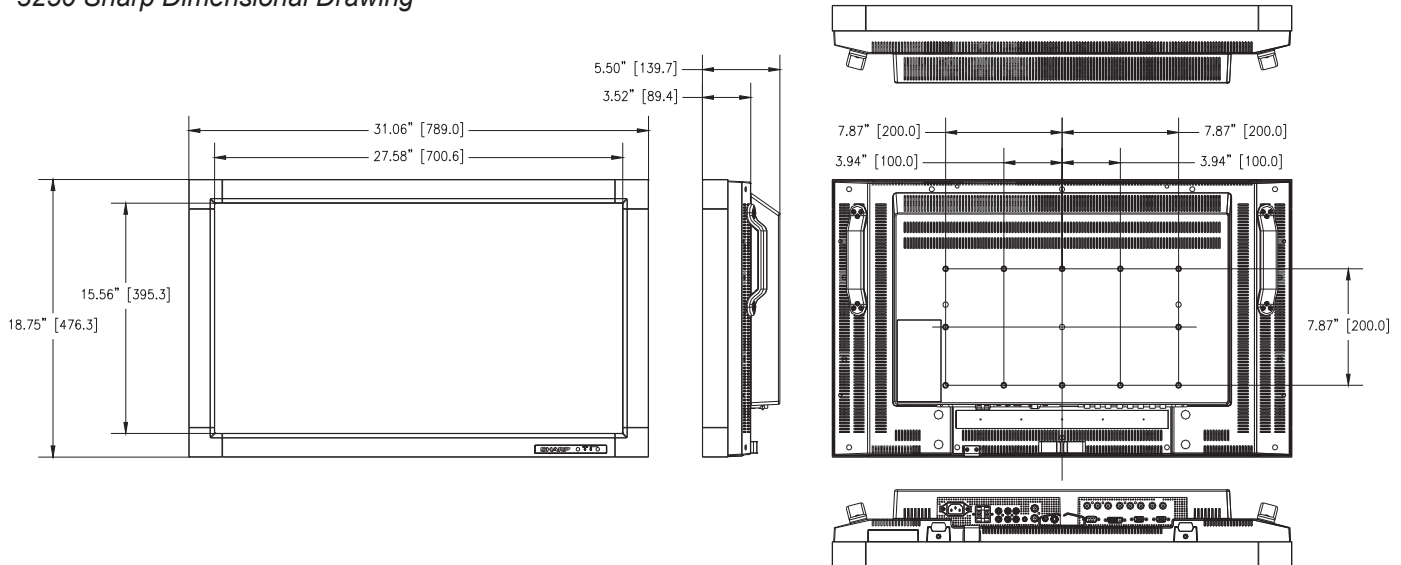
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3250 Sharp Dimensional Drawing



3M™ DST (Dispersive Signal Technology) Touch Screen Specifications:

- **Total additional weight to monitor:** 5.0 lbs.
- **Construction:** Glass chemically-strengthened anti-glare substrate.
- **Input Method:** Finger and stylus input.
- **Positional Accuracy:** Reported coordinates are within 1.0% of true position (based on viewing area dimensions)
- **Light Transmission:** Up to 92%.
- **Operating Temperature:** -15°C to 90°C
- **Minimum Touch Impact:** 50 mN.s (milli-newton seconds), the equivalent of a very light touch.
- **Response Time:** 20 ms for tap input.
- **Expected Life Performance:** No known wear-out mechanism, as there are no layers, coating, or moving parts.
- **Total Additional Depth to Sharp PN-325:** 1/4"
- **Surface Obstructions:** Withstands surface contaminants such as dirt, dust and grime.

Touch screen Controller Specifications:

- **Dual Interface:** USB or RS232 Serial (specify when ordering).
- **Maximum Single USB Cable Length:** 5m (16.4 ft)

Note: Distances over 5m using USB can be achieved by using a USB extension system.

Note: Power for the LCD monitor itself requires a connection to a 110 VAC receptacle. In addition, the Sharp 3250 DST series touch screen monitors require an external power supply to drive the integrated touch screen controller. This small form factor 110 VAC to 5Vdc power supply is included with every Sharp 3250 DST series touch screen monitor.

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