



# Monitech 2011 Q1 Catalogue

## Save over \$2800? YES PLEASE!

What is the financial benefit of buying from Monitech? We offer lower costs, increased reliability, flexibility, and compatibility. All this and you are saving money too! How much money? Well, to have an Allen Bradley 1400e replaced by Rockwell with an LCD monitor, you will be paying **\$4200**. A Monitech replacement of the **SAME PRODUCT** is **\$1375**, for a total **saving of \$2825!** How do we save you this amount of money? Simple: we do not overcharge for simple repairs / replacements. Should you be charged *\$2000 for a \$40 part*, and half an hour of labour? Of course not! Where else does Monitech save you money? When you send your monitor in for an upgrade, other companies will install it for you, a process which takes someone who has NEVER done it before around one hour. It is up to you, the customer to decide whether one hour of your time is worth over \$2800.

Many people are skeptical about aftermarket replacement parts; they think that they will not work as well, not be compatible with their software, live as long, or will be unreliable. Monitech has answered all of these common problems. Our monitors are built specifically for the model of monitor that you, the user, has. We don't offer a generic "Band-Aid" solution, **we custom design your replacement**. Whether you are using Allen Bradley, Fanuc, or Okuma, we can build a customized solution that will fit your needs. We are able to do this because of the experience that our technicians and engineers have with monitors of all makes and models. The life of your monitor is the same as the brand name replacement: **50,000 hours!**

Many customers have come to us with old monitors after being turned away from other repair shops that do not have the expertise to deal with old technology. At Monitech, we will do no such thing. From everyday CNC controllers, to old obscure radar monitors, we have worked with hundreds upon hundreds of different styles of monitors. We also offer something many of our competitors do not: **FREE ENGINEERING DESIGNS**. If your monitor is something we have not come across, we will design a replacement at no extra cost to you.



# Allen Bradley 7320 LCD Upgrade

## Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Active Area:** 211.2 x 158.4 mm

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 150:1

**Backlight Life:** 50,000 Hours Typical

**Maximum Resolution:** 800 x 600 Pixels

**Viewing Angles:** 100°H, 70°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Allen Bradley 7360 LCD Upgrade

## ML104CN7360

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 150:1

**Viewing Angles:** 100°H, 70°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



## Allen Bradley 7370 LCD Upgrade

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 150:1

**Viewing Angles:** 100°H, 70°V

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Horizontal Scan:** 15 – 40 kHz

**Maximum Resolution:** 800 x 600 Pixels

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Allen Bradley 8400 LCD Upgrade

## Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Active Area:** 211.2 x 158.4 mm

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**Backlight Life:** 50,000 Hours Typical

**Maximum Resolution:** 800 x 600 Pixels

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Maximum Resolution:** 800 x 600 SVGA

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)



## Allen Bradley 7370 LCD Upgrade

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 150:1

**Viewing Angles:** 100°H, 70°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Allen Bradley Series 9 Color, LCD Upgrade

## ML104CNSER9

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600  
Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 150:1

**Viewing Angles:** 100°H, 70°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL  
or Sync on Green

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C (-22 to 158)



# Allen Bradley 2711 Panelview 1200 LCD

## Upgrade **ML104CV1200**

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Maximum Resolution:** 800 x 600 SVGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)



# Allen Bradley 8400 LCD Upgrade

## ML104CV3200

Allen Bradley

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Maximum Resolution:** 800 x 600 SVGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)



## Allen Bradley 8200 LCD Upgrade

### ML104CV8200

#### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Active Area:** 211.2 x 158.4 mm

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**Maximum Resolution:** 800 x 600 Pixels

**Backlight Life:** 50,000 Hours Typical

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Maximum Resolution:** 800 x 600 SVGA

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)



# Allen Bradley 8600 LCD Upgrade

## Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Maximum Resolution:** 800 x 600 SVGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)



# Allen Bradley 9/260 LCD Upgrade

## ML104CVSER9

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)



# Allen Bradley 2711 Panelview 1400 LCD

## Upgrade **ML121CT1400**

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Allen Bradley 2711 Panelview 1400e LCD Upgrade **ML121CT1400e**

## Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Allen Bradley Series 9 LCD Upgrade

## ML121CTSER9

Allen Bradley

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Agie LCD Upgrade ML121CVAGIE

## Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 400cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Anilam Crusader M LCD Upgrade

## ML121CV115DMX

Anilam

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 170.3 x 127.8 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 220cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 13W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Bridgeport EZ Trak LCD Upgrade

## **ML104CVEZ**

### **Specifications**

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)



# Charmilles LCD Upgrade

## ML121CVCHAR

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 400cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Cincinnati Milacron 1-228-0028 LCD Upgrade

## ML104CV0028

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Maximum Resolution:** 800 x 600 Pixels

**Input Connector:** 1x15-pin HD Female      1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)



# Cincinnati Milacron Acramatic 503 LCD Upgrade

## ML121CT503

Cincinnati Milacron

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 140°H, 110°V

**Maximum Resolution:** 800 x 600 Pixels

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Cincinnati Milacron Acramatic 850 LCD Upgrade

## ML121CT850



### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Cincinnati Milacron Acramatic 950 LCD Upgrade

## ML121CT950

Cincinnati Milacron

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Cincinnati Milacron Acramatic 2100 LCD Upgrade

## ML121CT2100

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Cutler Hammer 91-00935-00 LCD Upgrade

## ML121CT0935

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Cutler Hammer 91-00992-00 LCD Upgrade

## ML121CT0992

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Eaton/Modicon/Cutler Hammer/IDT Panelmate I, II, III LCD Upgrade Kit

## ML121CTMOD(1,2,3)

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Dynapro 1051 PV1200 LCD Upgrade **ML104CV1051**

## **Specifications**

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)



# Fagor 8025 LCD Upgrade

## ML080CT8025S

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Brightness:** 500cd/m<sup>2</sup>

**Contrast Ratio:** 500:1



**Active Area:** 170.9 x 128.2 mm

**Backlight Life:** 50,000 Hours Typical

**Viewing Angles:** 140°H, 120°V

**Input Connector:** 1x15-pin HD Female 1xfagor adapter cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Maximum Resolution:** 800 x 600 SVGA

**Horizontal Scan:** 15 – 60 kHz

**Vertical Scan:** 60 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 13W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Fagor 8020 LCD Upgrade

## ML084CT8020

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 640 Pixels

**Active Area:** 170.9 x 128.2 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 400cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 100°H, 70°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 30 – 82 kHz

**Vertical Scan:** 60 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 13W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Fagor 8030 LCD Upgrade

## ML104CT8030

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 150:1

**Viewing Angles:** 120°H, 100°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 350 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 25W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -30 to 70 °C(-22 to 158)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Fagor 8030 LCD Upgrade

## **ML104CT8030**

### **Specifications**

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 150:1

**Viewing Angles:** 120°H, 100°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 350 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 25W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -30 to 70 °C(-22 to 158)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Fanuc 6 A61L-0001-0072 LCD Upgrade

## ML084CV0072

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 170.3 x 127.8 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 220cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 13W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Fanuc A61L-0001-0093 LCD Upgrade

## ML084CV0093

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 170.3 x 127.8 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 220cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

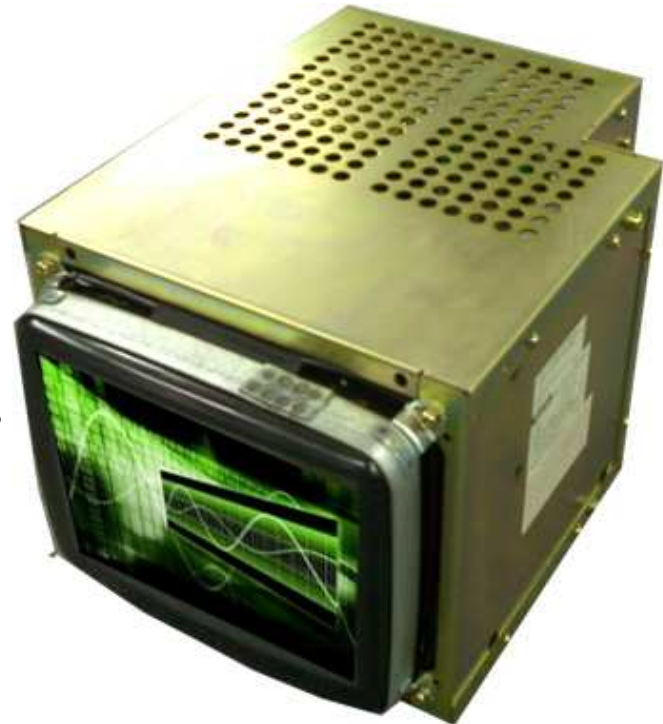
**Power Consumption:** 13W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Fanuc A61L-0001-0074 LCD Upgrade

## ML121CT0074S

### Specifications

LCD Display 12.1" TFT active matrix panel

Display Size 246 (H) x 184.5 (V) mm

Max. Resolution 800 x 600 SVGA

Contrast Ratio 500:1 (Typical)

Brightness 400cd/m<sup>2</sup>

Response Time 5ms (min), 25ms (max)

Display Colour 16.2M Colors

Viewing Angles 140°H, 110°V

Scan Horizontal: 15-60kHz

Vertical: 48-75kHz

Input Connector 1 x 15-pin HD Female 1 x 15 pin Molex adapter cable  
(Mitsubishi/Mazak specific)

Sync. Type/Level H + V (positive or negative)

H / V (positive or negative)

H XOR V (positive or negative)

SERR (positive or negative)

SOG(SYNC ON GREEN)

Power Input AC 100~240V, 50~60Hz; Output DC 12V / 3.33A

Operation Temperature 0 – 50 °C (32 to 122°F)



# Fanuc A61L-0001-0074 LCD Upgrade

## ML121CV0074

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Brightness:** 400cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Response Time:** 35ms

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Fanuc A61L-0001-0096 LCD Upgrade

## ML121CV0096

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 400cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Heidenhain TNC 151 10.4" LCD Upgrade

## **ML104CV212**

### **Specifications**

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)

# Heidenhain TNC 355 10.4" LCD Upgrade

## ML104CV412

Heidenhain

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)

# Heidenhain TNC 355B 10.4" LCD Upgrade

## ML104CV412B

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TT Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)

# Heidenhain TNC 355 12.1" LCD Upgrade

## ML121CV212

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 400cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Heidenhain TNC 355 12.1" LCD Upgrade

## ML121CV412

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 400cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Heidenhain TNC 355 12.1" LCD Upgrade

## ML121CV412B

Heidenhain

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 400cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Hitachi Seiki Multi LX3 LCD Upgrade

## **ML121CVLX3**

### **Specifications**

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 400cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Honeywell Measurex Dynatouch II LCD

## Upgrade **ML104CVDYNA**

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)

# KME 26S10M32H LCD Replacement

## ML084CVMONO

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 170.3 x 127.8 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 220cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 13W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Mitsubishi MDT962B-1A LCD Upgrade

## ML121CV962B

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 170.3 x 127.8 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 220cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 13W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Mitsubishi/Mazak LCD Upgrade Kit

## Mitsubishi C-3470

### Specifications

LCD Display 12.1" TFT active matrix panel

Display Size 246 (H) x 184.5 (V) mm

Max. Resolution 800 x 600 SVGA

Contrast Ratio 500:1 (Typical)

Brightness 400cd/m<sup>2</sup>

Response Time 5ms (min), 25ms (max)

Display Colour 16.2M Colors

Viewing Angles 140°H, 110°V

Scan Horizontal: 15-60kHz

Vertical: 48-75kHz

Input Connector 1 x 15-pin HD Female

1 x 15 pin Molex adapter cable (Mitsubishi/Mazak specific)

Sync. Type/Level H + V (positive or negative)

H / V (positive or negative)

H XOR V (positive or negative)

SERR (positive or negative)

SOG(SYNC ON GREEN)

Power Input AC 100~240V, 50~60Hz; Output DC 12V / 3.33A

Operation Temperature 0 – 50 °C (32 to 122°F)



# Mitsubishi/Mazak LCD Upgrade Kit

## Mitsubishi C-5470

### Specifications

LCD Display 12.1" TFT active matrix panel

Display Size 246 (H) x 184.5 (V) mm

Max. Resolution 800 x 600 SVGA

Contrast Ratio 500:1 (Typical)

Brightness 400cd/m<sup>2</sup>

Response Time 5ms (min), 25ms (max)

Display Colour 16.2M Colors

Viewing Angles 140°H, 110°V

Scan Horizontal: 15-60kHz

Vertical: 48-75kHz

Input Connector 1 x 15-pin HD Female

1 x 15 pin Molex adapter cable (Mitsubishi/Mazak specific)

Sync. Type/Level H + V (positive or negative)

H / V (positive or negative)

H XOR V (positive or negative)

SERR (positive or negative)

SOG(SYNC ON GREEN)

Power Input AC 100~240V, 50~60Hz; Output DC 12V / 3.33A

Operation Temperature 0 – 50 °C (32 to 122°F)



# Mazak Mazatrol LCD Upgrade Kit

## ML121CV5614

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Minimum Resolution:** 640 x 200 VGA

**Active Area:** 246 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 400cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15 pin Molex Adapter Cable

**Sync Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140°F)



# Nematron IWS1513 LCD Upgrade

## ML104CV1513

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)



# Okuma OSP 5020L LCD Upgrade

## ML104CV5020L



### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)

# Okuma OSP 7000 LCD Upgrade

## ML104CV7000

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)

# Siemens Sinumerik 810 LCD Upgrade

## ML084CV810

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 170.3 x 127.8 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 220cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 13W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Siemens Sinumerik 880 LCD Upgrade

## ML121CT880

Siemens

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1



**Vertical Scan:** 45 – 75 Hz

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Total Controls Products Smartscreen LCD

## Upgrade **ML121CTCP**

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Xycom 2050 LCD Upgrade

## ML104FV2050

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)

# Xycom 4850 LCD Upgrade

## **ML104FV4850**

### **Specifications**

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 211.2 x 158.4 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 350cd/m<sup>2</sup>

**Contrast Ratio:** 300:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 200 CGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 55 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 56W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** 0 to 50 °C (32 to 122°F)

**Storage Temp:** -20 to 60 °C(-4 to 140)

# Xycom 9403 LCD Upgrade

## ML121CT9403

Xycom

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# Xycom 9450 LCD Upgrade

## ML121CT9450

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 264 x 184.5 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 370cd/m<sup>2</sup>

**Contrast Ratio:** 450:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 31.5 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

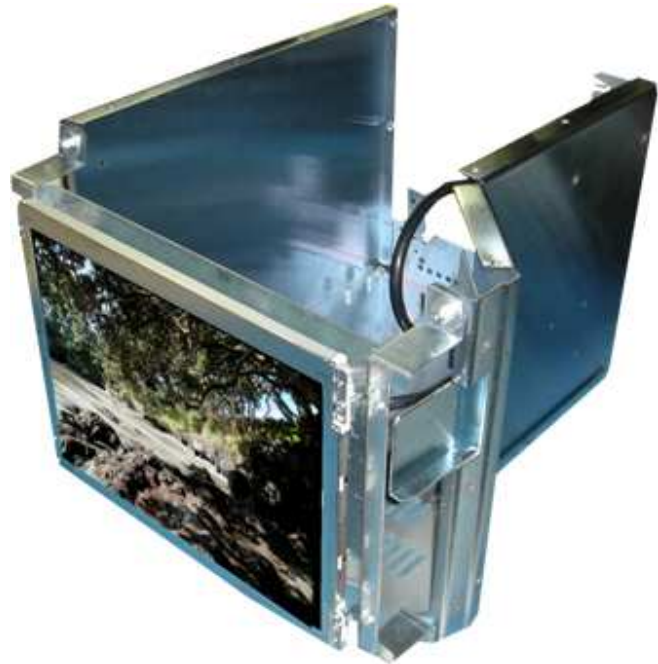
**Power Consumption:** 24W Typical

**Response Time:** 12ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)



# Yasnac I80 MDT948B-3 LCD Upgrade

## ML121CV948B

### Specifications

**Type:** AM Color TFT

**No. Colors:** 262K Colors

**Maximum Resolution:** 800 x 600 Pixels

**Active Area:** 170.3 x 127.8 mm

**Backlight Life:** 50,000 Hours Typical

**Brightness:** 220cd/m<sup>2</sup>

**Contrast Ratio:** 500:1

**Viewing Angles:** 140°H, 110°V

**Input Connector:** 1x15-pin HD Female 1x15-pin LD Adapter Cable

**Sync. Type/Level:** Separate H&V(+/-ve) TTL Or Composite(-ve) TTL

**Minimum Resolution:** 640 x 400 VGA

**Horizontal Scan:** 15 – 40 kHz

**Vertical Scan:** 45 – 75 Hz

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 13W Typical

**Response Time:** 35ms

**Video Connections:** Analog RGB 0.7-1.0Vp-p

**Operating Temp:** -10 to 65 °C (14 to 149°F)

**Storage Temp:** -30 to 70 °C(-22 to 158)

# T-Series 8.0 Universal LCD

## ML080CT00

### Specifications

**LCD Display** 8.0" AM Color TFT

**Display Size** 162 H x 121.5 V mm

**Brightness** 500cd/m<sup>2</sup>

**Response Time** 35ms

**Display Colour** 16M Colors

**Viewing Angles** 140°H, 120°V

**Scan Horizontal:** 30-58kHz (15-58Khz)

**Vertical:** 60-75kHz (45-75Hz)

**Input Connector** 1 x 15-pin HD Female (BNC -1,2,3,4,5, 9 pin, other)

**Sync. Type/Level** **Separate** H&V (+/-ve) TTL (Sync on Green, NTSC, PAL)

**Composite** (-ve) TTL (Serration, interlaced)

**AC Model** 110/230V 50/60Hz external power supply (medical, mounted)

**Power Consumption** 6W Typical

**Operation Temperature** 0 – 50 °C (32 to 122°F) (-15 °C to +65°C)

**Max. Resolution** 1024 x 768 XGA with 800 x 600 Pixels

**Contrast Ratio** 500:1 (Typical) - 4:3 aspect ratio



# T-Series 8.4 Universal LCD

## ML080CT00

Monitech Brand

### Specifications

**LCD Display:** 8.4" AM Colour TFT

**Display Size:** 170.9 (H) X 128.2 (V) mm

**Max Resolution:** 1024 X 768 XVGA

**Contrast Ratio:** 450:1 (Typical)

**Brightness:** 400cd/m<sup>2</sup>

**Response Time:** 35 ms

**Display Colour:** 262K Colours

**Viewing Angles:** 100° H , 70° V

**Scan Horizontal:** 30-82 kHz

**Vertical:** 60-75 kHz

**Input Connector:** 1 X 15-pin HD Female

**Sync. Type/Level Separate:** H&V (+ / -ve) TTL

**AC model:** 110/230V 50/ 60 Hz

**Power Consumption:** 13W Typical

**Operation Temperature:** 0—50 °C (32 to 122 F)



# N-Series 8.4 Universal LCD

## ML080CV00

### Specifications

**LCD Display:** 8.4" AM Colour TFT

**Display Size:** 170.4 (H) X 127.2 (V) mm

**Max Resolution:** 800 X 600 XVGA

**Contrast Ratio:** 500:1 (Typical)

**Brightness:** 220cd/m<sup>2</sup>

**Response Time:** 35 ms

**Display Colour:** 262K Colours

**Viewing Angles:** 130° H , 110° V

**Scan Horizontal:** 15-40 kHz

**Vertical:** 45-75 kHz

**Input Connector:** 1 X 15-pin HD Female

**Sync. Type/Level Separate:** H&V (+ / -ve) TTL

**Composite:** (-ve) TTL

**AC model:** 110/230V 50/ 60 Hz

**Power Consumption:** 13W Typical

**Operation Temperature:** 0—50 °C (32 to 122 F)



# T-Series 10.4 Universal LCD

## ML104CT00

### Specifications

#### Optional In Brackets:

**LCD Display:** 10.4" AM Colour TFT

**Display Size:** 211.2 (H) X 158.4 (V) mm

**Max Resolution:** 800 X 600 XVGA

**Contrast Ratio:** 150:1 (Typical)

**Brightness:** 350cd/m<sup>2</sup>

**Response Time:** 25 ms

**Display Colour:** 262K Colours

**Viewing Angles:** 100° H , 70° V

**Scan Horizontal:** 30-82 kHz (15-58 Khz)

**Vertical:** 60-75 kHz (45-75Hz)

**Input Connector:** 1 X 15-pin HD Female (BNC -1, 2, 3, 4, 5, 9 pin, other)

**Sync. Type/Level Separate:** H&V (+ / -ve) TTL (Sync on Green, NTSC, PAL)

**Composite:** (-ve) TTL (Serration, Interlaced)

**AC model:** 110/230V 50/ 60 Hz (Medical, mounted)

**Power Consumption:** 13W Typical

**Operation Temperature:** 0—50 °C (32 to 122 F) (-15C to +65C)



# V-Series 10.4 Universal LCD

## ML104CV00

### Specifications

**LCD Display:** 10.4" AM Colour TFT

**Display Size:** 211.2 (H) X 158.4 (V) mm

**Max Resolution:** 800 X 600 XVGA

**Contrast Ratio:** 300:1 (Typical)

**Brightness:** 350cd/m<sup>2</sup>

**Response Time:** 35 ms

**Display Colour:** 262K Colours

**Viewing Angles:** 140° H , 110° V

**Scan Horizontal:** 15-40 kHz

**Vertical:** 45-75 kHz

**Input Connector:** 1 X 15-pin HD Female

**Sync. Type/Level Separate:** H&V (+ / -ve) TTL

**Composite:** (-ve) TTL

**AC model:** 110/230V 50/ 60 Hz

**Power Consumption:** 56W Typical

**Operation Temperature:** 0—50 °C (32 to 122 F)



# T-Series 12.1 Universal LCD

## ML121CT00

Monitech Brand

### Specifications

**LCD Display:** 12.1" AM Colour TFT

**Display Size:** 264 (H) X 184.5 (V) mm

**Max Resolution:** 800 X 600 XVGA

**Contrast Ratio:** 450:1 (Typical)

**Brightness:** 370cd/m<sup>2</sup>

**Response Time:** 8 ms

**Display Colour:** 262K Colours

**Viewing Angles:** 140° H , 110° V

**Scan Horizontal:** 30-82 kHz (15-58Khz)

**Vertical:** 60-75 kHz (45-75 Hz)

**Input Connector:** 1 X 15-pin HD Female (BNC -1,2,3,4,5, 9 pin, other)

**Sync. Type/Level Separate:** H&V (+ / -ve) TTL (Sync on Green, NTSC, PAL)

**Composite:** (-ve) TTL (Serration, interlaced)

**AC model:** 110/230V 50/ 60 Hz (medical, mounted)

**Power Consumption:** 56W Typical

**Operation Temperature:** 0—50 °C (32 to 122 F) (-15C to +65C)



# V-Series 12.1 Universal LCD

## ML121CV00



### Specifications

**LCD Display:** 12.1" AM Colour TFT

**Response Time:** 35 ms

**Brightness:** 400cd/m<sup>2</sup>

**Vertical:** 55-75 kHz

**Display Size:** 264 (H) X 184.5 (V)  
mm

**Max Resolution:** 800 X 600 XVGA

**Contrast Ratio:** 500:1 (Typical)

**Display Colour:** 262K Colours

**Viewing Angles:** 140° H , 110° V

**Scan Horizontal:** 15-40kHz

**Input Connector:** 1 X 15– pin HD Female

**Sync. Type/Level Separate:** H&V (+ / -ve) TTL

**Composite:** (-ve) TTL

**AC model:** 110/230V 50/ 60 Hz

**Power Consumption:** 56W Typical

**Operation Temperature:** 0—50 °C (32 to 122 F)

# N-Series 15.0" Universal LCD

## ML150CN00

### Specifications

**LCD Display:** 15.0" TFT active matrix panel

**Display Size:** 304 (H) X 228 (V) mm

**Max Resolution:** 1024 X 768 XVGA

**Contrast Ratio:** 350:1 (Typical)

**Brightness:** 250cd/m<sup>2</sup>

**Response Time:** 5 ms (min) 25ms (max)

**Display Colour:** 16.2 M Colours

**Viewing Angles:** 120° H , 100° V

**Scan Horizontal:** 15-60kHz

**Vertical:** 48-75 kHz

**Input Connector:** 1 X 15– pin HD Female

**Sync. Type/Level:** H+V (positive or negative) H / V (Positive or negative) H XOR V (positive or negative) SERR (positive or negative) SOG (Sync on Green)

**Composite:** (-ve) TTL

**Power :** Input AC 100 ~ 240V, 50~60Hz; Output DC 12V / 3.33 A

**Operation Temperature:** 0—50 °C (32 to 122 F)

# N-Series 15.0" Universal Desktop LCD

## **ML150DN00**

### **Specifications**

**LCD Display:** 15.0" TFT active matrix panel

**Display Size:** 304 (H) X 228 (V) mm

**Max Resolution:** 1024 X 768 XVGA

**Contrast Ratio:** 350:1 (Typical)

**Brightness:** 250cd/m<sup>2</sup>

**Response Time:** 5 ms (min) 25ms (max)

**Display Colour:** 16.2 M Colours

**Viewing Angles:** 120° H , 100° V

**Scan Horizontal:** 15-60kHz

**Vertical:** 48-75 kHz

**Input Connector:** 1 X 15– pin HD Female

**Sync. Type/Level:** H+V (positive or negative) H / V (Positive or negative) H XOR V (positive or negative) SERR (positive or negative) SOG (Sync on Green)

**Composite:** (-ve) TTL

**Power :** Input AC 100 ~ 240V, 50~60Hz; Output DC 12V / 3.33 A

**Operation Temperature:** 0—50 °C (32 to 122 F)

# T-Series 15.0" Universal Desktop LCD

## ML150DT00

### Specifications

**LCD Display:** 15.0" TFT active matrix panel

**Display Size:** 304 (H) X 228 (V) mm

**Max Resolution:** 1024 X 768 XVGA

**Contrast Ratio:** 350:1 (Typical)

**Brightness:** 250cd/m<sup>2</sup>

**Response Time:** 5 ms (min) 25ms (max)

**Display Colour:** 16.2 M Colours

**Viewing Angles:** 120° H , 100° V

**Scan Horizontal:** 15-60kHz

**Vertical:** 48-75 kHz

**Input Connector:** 1 X 15-pin HD Female

**Sync. Type/Level:** H+V (positive or negative) H / V (Positive or negative) H XOR V (positive or negative) SERR (positive or negative) SOG (Sync on Green)

**Composite:** (-ve) TTL

**Power :** Input AC 100 ~ 240V, 50~60Hz; Output DC 12V / 3.33 A

**Operation Temperature:** 0—50 °C (32 to 122 F)

# T-Series 17" Openframe LCD

## **ML170CT00**

### **Specifications**

**LCD Display:** 17.0" TFT active matrix panel

**Display Size:** 337.92 (H) X 270.34 (V) mm

**Max Resolution:** 1280x3 (RGB) X1024

**Contrast Ratio:** 500:1 (Typical)

**Brightness:** 400cd/m<sup>2</sup>

**Response Time:** 8 ms (min)

**Display Colour:** 16.2 M Colours

**Viewing Angles:** 150° H , 130° V

**Scan Horizontal:** 30-82kHz

**Vertical:** 60-75 kHz

**Input Connector:** 1 X 15– pin HD Female

**Sync. Type/Level:** Separate H&V (+/-ve) TTL

**Composite:** (-ve) TTL

**Power Consumption:** 13W Typical

**Operation Temperature:** 0—50 °C (32 to 122 F)

# N-Series 19.0 Universal LCD

## ML190CN00

### Specifications

**LCD Display:** 19.0" AM colour TFT

**Display Size:** 376 (H) X 301 (V) mm

**Max Resolution:** 1280 X1024 SVGA

**Contrast Ratio:** 400:1 (Typical)

**Brightness:** 300cd/m<sup>2</sup>

**Response Time:** 35 ms

**Display Colour:**16.7 M

**Viewing Angles:** 176 H , 176 V

**Scan Horizontal:** 15-80kHz

**Vertical:** 55-75 kHz

**Input Connector:** 1 X 15– pin HD Female

**Sync. Type/Level:** Separate H&V (+/-ve) TTL

**Composite:** (-ve) TTL

**AC Model:** 110/230V 50/60Hz

**Power Consumption:** 50W Typical

**Operation Temperature:** 0—50 °C (32 to 122 F)

# LCD Upgrade Information

A CRT can be unreliable and can be down for days at a time when you need it the most. When a CRT burns out, installing an LCD upgrade is the fastest and most reliable way to get a machine controller up and running. LCD upgrades are 100% compatible with old video connections such as BNCs, 15 pin, 9 pin, 8 pin, VGA, CGA, 10 pin edge connectors, and many others.



The above picture shows 2 Allen Bradley 8600s with the cover removed. The LCD upgrade replaces the CRT and its video components.

# Monitech Industrial Display Solutions

They are designed to utilize the old frame of a CRT or replace it completely. This is just one way that Monitech is keeping your machines up, and your costs down.





Thank you for viewing our catalogue! If you have any questions, or concerns, please contact us at your earliest convenience!

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