

QES1510 Series 10.4" LCD Replacement for 12" CRT Monitor

The Dynamic Displays 10.4" Industrial LCD monitor is an excellent replacement for 12" CRT monitors used in your Mazak CNC Mazatrol, Mitsubishi Meldas or Yamazaki machine tools. This rugged industrial 10.4" LCD Display mounts right onto the CRT mounting studs of the existing 12" CRT monitor chassis and was designed to operate with legacy systems built by Philips, Bosch, Cybelec, Delem, GE, Heidenhain, Sinumerik, JUNG, E machine, Marposs, Mitsubishi, Okuma, Mazak, and Siemens. The QES1510 Series 10.4" LCD displays replace most 12" CRT monitor models and extend the life of CRT-based HMI interfaces.

Designed to operate from 15.75 KHz through 68 KHz, these rugged 10.4" LCD displays can be configured to operate with CGA, EGA, MDA video formats and many other legacy timings used in systems such as JUNG, E machine, Marposs, Mitsubishi, Okuma, Mazak, and Siemens Control Systems.

Upgrading your console unit with a rugged TFT LCD Display monitor is a cost-effective way to extend the useful life of your existing CNC Control Systems.

Optional TTL CGA, EGA, MDA video capability, contrast ratios of 500:1 and brightness levels of 250 cd/m², and standard features such multi-language on-screen display, DDC1/2B Plug and Play, and wide viewing angle capability makes this versatile 10.4" LCD display an excellent choice for many legacy industrial display needs.



Features:

- 15.75 to 100KHz Legacy Timings
- TTL Video Input for EGA, CGA and MDA
- Analog RGB Sync On Green Capable
- Drop directly into the mounting holes of the a 12" CRT Monitor
- Image Size & Position Adjustment
- High Brightness TFT LCD – 450 Nits
- High Contrast – 700:1 Typical
- Anti-Reflective Protective Faceplate Option
- Touch Screen: Resistive and Capacitive Option
- Universal Power Supply with VESA Power Management

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Size/Technology	10.4 inch SVGA Color TFT LCD Module
Image Size	211.2 mm x 158.4 mm
Pixel Pitch	0.264 mm x 0.264 mm
Native Resolution	800 x 600 Pixels
Back Light (Typical)	30,000 Hours
Viewing Angle (H/V)	70°(R) - 70°(L) / 55°(U)- 65°(L)
Contrast Ratio	700:1 Typical
Brightness (Typical)	450 cd/m ²
Response Time (Typical)	10 mSec Rising – 20 mSec Falling
Colors	16.2M Colors – RGB 8 bits
Supported Video Formats	
Input Signal - Standard	Analog RGB Video; Horizontal & Vertical Sync
Input Signal Options	RGB Composite Sync-on-Green TTL CGA (16 Color-RGBI) EGA (64 Color) Differential TTL Video Input (Differential Digital RGB, H&V Sync) Serial Differential Communications RS-422
Video Input Interface	Honda 20 Pin Connector Molex Part Number: 03-06-2151 DB9 Male Pins – TTL Signal 15 Pin D-SUB with Special Wiring on CNC System Required
External Connectors	Input Signals and AC Power Input
Power Requirements	100-240VAC 50-60Hz @ 1 Amp
Approvals	FCC, CE, UL
Environmental	
Temperature: Operating	-20° to 70°C @ 10-90% R.H.
Storage	-30° to 80°C @ 10-90% R.H.
Altitude: Operating	0 to 10,000 ft
Storage	0-40,000 ft
Mechanical Configuration	Open Frame
Dimensions	8.83" (H) x 11.02" (W) x 2.5"(D) Kit Only
Mounting	8-32's Screws (4)
Construction	Heavy Duty Stainless Steel
Weight	4 Lb.
Warranty	Two Year Limited Warranty
Options	Touch Screen: Resistive and Capacitive Screen Protection from Impact – Strengthened Glass Front Remote Controls Universal Video Input - 5 BNC Input (RGB) RS170 and RS343 Video Input RCA (NTSC/PAL) and 5 Pin Mini Din (S-video) TTL Video Input for EGA, CGA and MDA

Dynamic Displays, Inc.
1625 Westgate Road – Eau Claire, WI 54703
1-800-793-6862 – Fax: (715) 835-2436
www.dynamicdisplay.com

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