

8.4" CRT REPLACEMENT LCD MONITOR HEAD

29LM081E71UN/1

DATASHEET

SLOW SCAN LCD MONITORS

The 29LM081E71UN/1 series of LCD monitor Heads has been designed for industrial applications in the Control field and other users that require a compact SVGA monitor with a small footprint, high brightness display with good viewing angles. The rugged, metal construction of the monitor ensures exceptional stability, especially important when touchscreen operation is necessary. VESA fixings for Ergo Arm Mounting are on the rear cover.

The KME A/D board has been designed to accept a wide range of signal timings from 15kHz up to VGA standard, including CGA & EGA legacy signals. Set-up controls for fine tuning of the display are located at the rear of the monitor. Once set, no further adjustments should be required, and the last setting is stored in memory.

Analogue & TTL signals are accepted via a 15D connector and a 2m VGA cable is supplied with the unit. KME can supply 9D-15D or BNC to 15D interface cables as required.

SOLUTIONS FOR DESKTOP MONITORS

- > High Brightness/High Contrast TFT panel
- > 15 to 60kHz Horizontal Scanning range
- > 40 to 100 Hz Vertical Scanning range
- > Programmable for non-standard Legacy signals
- > Rear OSD Controls for maximum versatility
- > Optional Touchscreen Integration



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Electrical Description		Mechanical Description	
TFT Characteristics:	Type:	AM p-Si Colour TFT	Dimensions: Monitor (approx): 222 x 162 x 70mm
	Max Resolution:	800 x 600 pixels	Weight: 2.5kg (approx)
Active Display Area:	170.4 x 127.8 mm	Input:	15-pin HD Female
No. Colours:	256k	Housing	Painted aluminium
Contrast Ratio:	500:1 typical	User Controls:	Rear Mounted
Brightness:	350cd/m ² typical	On Screen buttons	Brightness, Contrast, H/V Position & Size, Frequency, Frequency Fine
Viewing Angles (at CR>10):	120° H, 100° V		
Backlight Life:	50,000 hours typical		
Clock Rate:	80MHz max		
Sync. Type/Level:	Separate H&V (+/-ve) TTL or Composite (-ve) TTL or Sync-on-Green (-ve) 0.3V		
Signal Sync:	Analog RGB 0.7-1.0Vp-p OR TTL RGB>2.75Vp-p		
Synchronisation Range:	Horizontal scan: 15-60kHz Vertical scan: 40-100Hz		
Multiscan Support:	800 x 600 SVGA 640 x 480 VGA + pre-programmed timings in 15-30kHz range		
Power Supply:	12V DC		
Power Consumption:	25W Max	Part Numbers:	
Environmental:	Storage Temp: -20 to 60°C Operating Temp: 0 to 50°C	Desktop Model:	29LM081E71UN/1

Due to a policy of continuous product development KME reserves the right to change specifications and descriptions without prior notification. All trademarks acknowledged.

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