

# 10.4" CRT REPLACEMENT LCD DESKTOP MONITOR

19LM103A71UN/2

# DATASHEET

## SLOW SCAN LCD MONITORS

The 19LM103A71UN/2 Series of 10.4" LCD monitors has been designed primarily for Slow Scan Legacy Systems as replacements for CRT monitors. They utilise a modern XGA TFT panel and a KME-designed Analog-Digital interface board.

All elements, including a toughened glass protection screen, have been packaged in a compact metal housing. The heavy-duty stand has the AC power supply in its base.

By special development of our Signal Recognition and Scaling software KME has created a Universal flat panel monitor with unique 15kHz to 60kHz display capabilities.

### SOLUTIONS FOR DESKTOP MONITORS

- > Specially Designed for Slow Scan Signals
- > CGA, EGA and all VESA standards up to XGA
- > Image Size Adjustment & Save
- > TTL, Analog & Interlaced Signals Accepted
- > Accessory Cables for BNC & 9D Inputs
- > Rugged Metal Construction with Good Stability



# 10.4" CRT REPLACEMENT LCD

# DATASHEET

## DESKTOP MONITOR

19LM103A71UN/2

Electrical Description		Mechanical Description	
<b>TFT Characteristics:</b>		<b>Dimensions:</b>	Weight: 3kg (approx)
Type:	AM Colour TFT	<b>Input:</b>	5 x BNC 75Ω 15-pin HD Female
Max Resolution:	640 x 480 pixels	<b>Housing</b>	Painted aluminium
Active Display Area:	211.2 x 158.4 mm	<b>User Controls:</b>	Rear Mounted
No. Colours:	256k	<b>On Screen buttons</b>	Brightness, Contrast, H/V Position & Size, Frequency, Frequency Fine
Contrast Ratio:	600:1 typical		
Brightness:	450cd/m <sup>2</sup> typical		
Viewing Angles (at CR>10):	160° H, 140° V		
Backlight Life:	50,000 hours typical		
Clock Rate:	80MHz max		
<b>Sync. Type/Level:</b>	Separate H&V (+/-ve) TTL or Composite (-ve) TTL or Sync-on-Green (-ve) 0.3V		
<b>Signal Sync:</b>	Analog RGB 0.7-1.0Vp-p OR TTL RGB>2.75Vp-p (via special TTL accessory cable)		
<b>Synchronisation Range:</b>			
Horizontal scan:	15-60kHz		
Vertical scan:	40-100Hz		
<b>Multiscan Support:</b>	640 x 480 VGA + pre-programmed timings in 15-30kHz range		
<b>Power Supply:</b>	90-260V AC		
<b>Power Consumption:</b>	30W Max	<b>Part Numbers:</b>	
<b>Environmental:</b>		Desktop Model:	19LM103A71UN/2
Storage Temp:	-20 to 60°C		
Operating Temp:	0 to 50°C		

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

KENT MODULAR ELECTRONICS LTD  
621 Maidstone Road  
Rochester, Kent ME1 3QJ  
T: +44 (0)1634 830123 F: +44 (0)1634 830619  
E: sales@kme.co.uk W: www.kme.co.uk

