

CHASSIS HEAD

29LS123E71UN/1

SVGA AND OLD LEGACY SIGNALS

The 29LS123E71UN/1 series of Industrial LCD monitors have been designed as replacements for 12" CRT monitors now that supplies of 12" CRTs are difficult to obtain. Ease of integration into a wide range of Measurement, Instrumentation and Human-Machine interface applications has been a key consideration.

KME has designed a rugged LCD monitor module, of minimum width, to match the dimensions of its 12" CRT monitor chassis. The monitor is housed in a rugged metal case with rear fixing points. The LCD module is ventilated for best reliability when enclosed within the OEM enclosure. EMC considerations include the use of a metal shield over the front of the LCD panel.

The A/D board has been designed to accept a wide range of signal timings from 15kHz up to SVGA 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.

SOLUTIONS FOR SLOW SCAN MONITORS

- > Minimum Width (12" CRT Monitor dimensions)
- > CGA/EGA/VGA/SVGA compatible
- > Analogue Video inputs via BNC/15HD
- > Programmable for non-standard Legacy signals
- > Top & Bottom Fixing Brackets
- > Optional Touchscreen Integration



Fixing brackets not shown

12.1" CRT REPLACEMENT LCD

DATASHEET

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Electrical Description		Mechanical Description	
TFT Characteristics:	Type:	AM Colour TFT	Dimensions: Monitor (approx): 294 x 265 x 55mm Weight: 3 kg (approx)
	Max Resolution:	800 x 600 pixels	Input: 6 x BNC 75R 15-pin HD Female
Active Display Area:	246 x 184.5 mm	Housing: Painted aluminium	User Controls: Rear Mounted
No. Colours:	256k	On Screen buttons: Brightness, Contrast, H/V Position & Size, Frequency, Frequency Fine	
Contrast Ratio:	500:1 typical		
Brightness:	400cd/m ² typical		
Viewing Angles (at CR>10):	140° H, 110° 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 (via special TTL accessory cable)		
Synchronisation Range:	Horizontal scan: 15-60kHz Vertical scan: 40-100Hz		
Multiscan Support:	800 x 600 SVGA 640 x 480 VGA 640 x 400 640 x 350 & other pre-programmed timings in 15-30kHz range		
Power Supply:	12V DC		
Power Consumption:	30W Max	Part Numbers:	
Environmental:	Storage Temp: -20 to 70°C Operating Temp: 0 to 55°C	Desktop Model:	29LS123E71UN/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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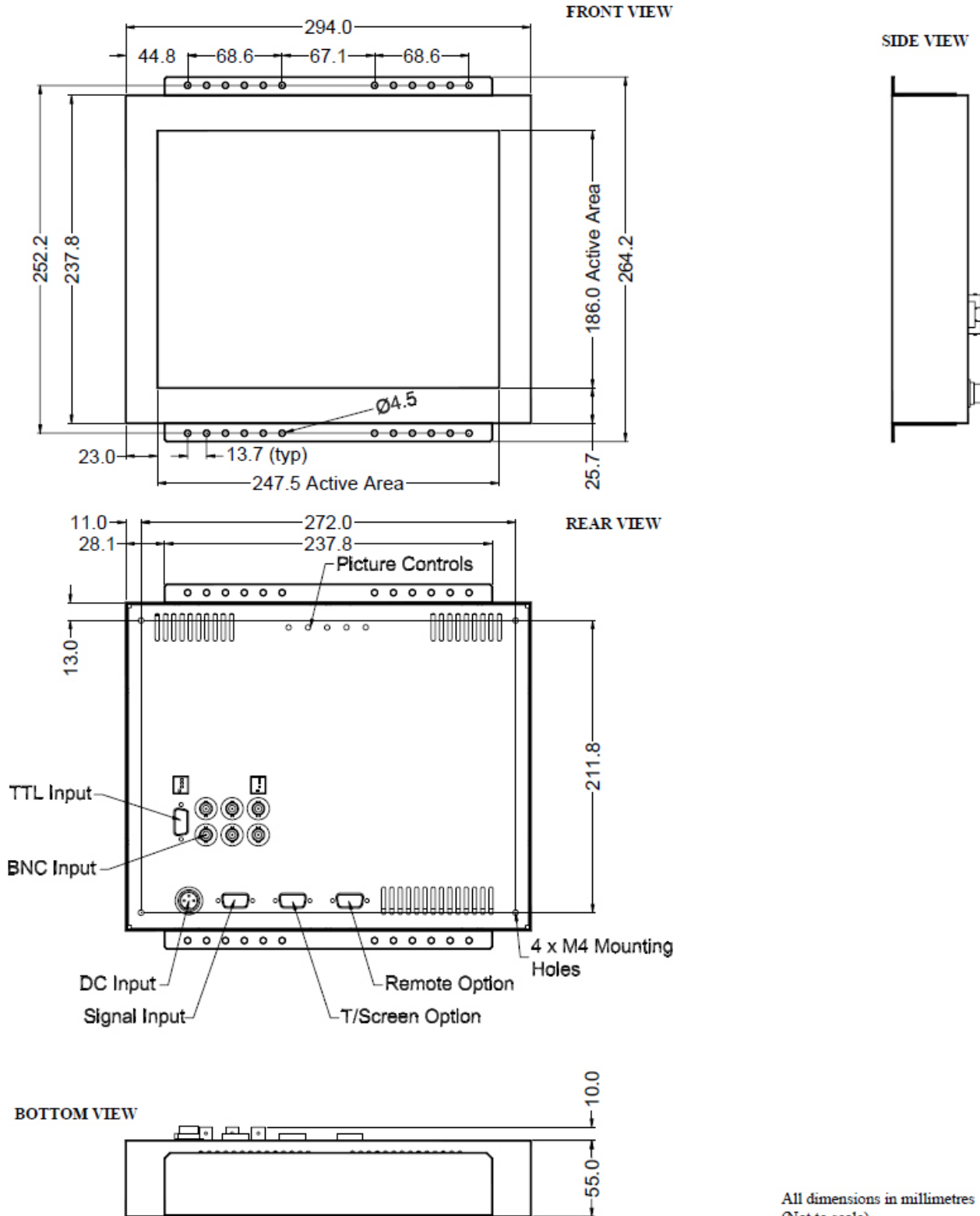


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All dimensions in millimetres
(Not to scale)

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