

FLAT PANEL MONITORS

29LM123(71UN) SERIES

12.1" LCD MONITOR HEADS

DISPLAY

Type:	AM Colour TFT
No. Colours:	256k
Max. Resolution:	800 x 600 pixels
Active Display Area	246 x 184.5 mm
Backlight:	Dual Edge CFL x 2
Backlight Life:	50,000 hours typical
Brightness:	400cd/m ² typical
Contrast Ratio:	500:1 typical
Viewing Angles:	140°H, 110°V

SIGNAL INPUTS

Video:	Analog RGB 0.7V p-p OR TTL RGB >2.75Vp-p (via special TTL accessory cable)
Input Connectors:	5 x BNC 75R 15-pin HD Female
Sync. Type/Level:	Separate H&V (+/-ve) TTL or Composite (-ve) TTL or Sync-on-Green (-ve) 0.3V
Multiscan Support:	800 x 600 SVGA 640 x 480 VGA 640 x 400 640 x 350 & other pre-programmed timings in 15-30kHz range
Horizontal Scan:	15 – 60kHz
Vertical Scan:	40 – 100Hz
Clock Rate:	80MHz max.
Controls: (On Screen Display buttons at rear)	Brightness, Contrast, H/V Position & Size, Frequency, Frequency Fine, Colour

POWER INPUTS

DC Model:	12Vdc (15-30Vdc option)
Power Consumption:	30W Max.

PHYSICAL / ENVIRONMENTAL

Dimensions (approx):	294 x 238 x 55mm
Weight (approx):	3.5kg. approx.
Operating Temp:	-10 to 55° C
Storage Temp:	-30 to 70° C

PART NUMBERS

Standard Model:	29LM123E71UN
AC Power Pack:	20BK0220/1

CRT Monitor Replacements



- **Minimum Width (12" CRT Monitor dimensions)**
- **CGA/EGA/VGA/SVGA compatible**
- **Analogue Video inputs via BNC/15HD**
- **TTL Inputs via 9D- 15D Accessory Cable**
- **Pre-Programmed for non-standard Legacy signals**
- **12Vdc Operation (110/230Vac & 24Vdc options)**
- **No Front OSD controls**
- **Rear Fixings for CRT Chassis Mounting**

The **29LM123UN** 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 mounted within the OEM enclosure. EMC considerations include the use of a metal shield over the front of the LCD panel. Toughened, non-glare safety glass protects the LCD.

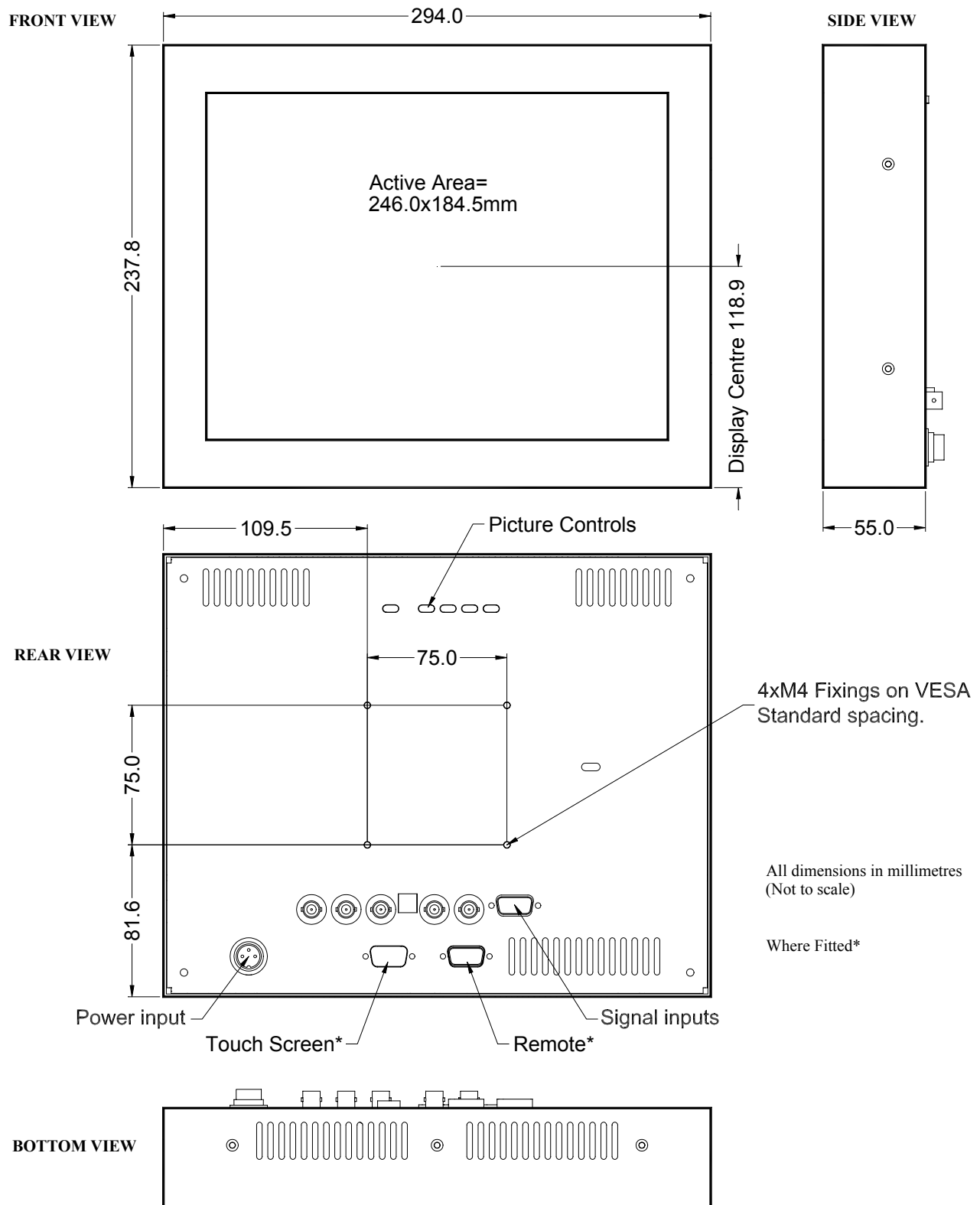
The A/D board has been designed to accept a wide range of signal timings from 15kHz up to SVGA standard, including CGA & EGA legacy signals. Set-up controls for fine-tuning of the display are located at the rear of the monitor. Once set, no further adjustments should be required, and the last setting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

Due to a policy of continuous product development KME reserves the right to change specifications and descriptions without prior notification. All trade marks acknowledged. 29lm123(71un)1 03/2006



29LM123(71UN) SERIES

12.1" LCD MONITOR HEAD



29lm123(71un)2

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