FLAT PANEL MONITORS

19LM1901(51UN) SERIES	**19.0" SLOW SCAN LCD MONITORS**

DISPLAY

Type:	AM Colour TFT
No. Colours:	16 million
Max. Resolution:	1280 x 1024 pixels
Active Display Area:	376 x 301 mm
Backlight Life:	50,000 hours typical
Brightness:	250cd/m² typical
Contrast Ratio:	1000:1 typical @ CR≥10
Viewing Angles:	89º Left; 89º Right
	89º Up; 89º Down
Response Time:	10ms average, typical

SIGNAL INPUTS

RGB Signal :	Analog RGB 0.7-1.0Vp-p
	Or TTL >2.75Vp-p
Input Connectors:	9D, 15D, BNC x 5
Sync. Type/Level:	Separate H&V (+/-ve) TTL
	or Composite (-ve) TTL
	or Sync-on-Green (-ve) 0.3V
Slow Scan Support:	Pre-programmed Analog or TTL
(see table examples)	inputs in 15-40kHz range
Fast Scan Support:	1280 x 1024 SXGA
	1024 x 768 XGA
	800 x 600 SVGA
	640 x 480 VGA
Horizontal Scan:	15-80kHz
Vertical Scan:	40-80Hz
Clock Rate:	135MHz max
Controls:	Brightness, Contrast, Auto set-
(On Screen Display)	up Disable, H/V Position, Clock,
buttons at front)	Clock Phase and Priority

POWER INPUTS

AC Model:	115/230V 50/60Hz
	Power Pack inside base
Power Consumption:	50W Max.

PHYSICAL/ENVIRONMENTAL

Dimensions (approx):	430 x 430 x 187 mm
Weight (approx):	9Kg.
Housing:	Painted Steel (Storm Grey)
Operating Temp:	0 to 50°C
Storage Temp:	-20 to 60°C

PART NUMBERS

Desktop Model:	19LM1901A51UN/2
Rackmount Model	29LR1901A51UN/2
Display Head only	29LM1901E51UN/2 (12Vdc)
AC Power Pack	20BK0234H

Due to a policy of continuous product development KME reserves the right to change specifications and descriptions without prior notification. All trade marks acknowledged.
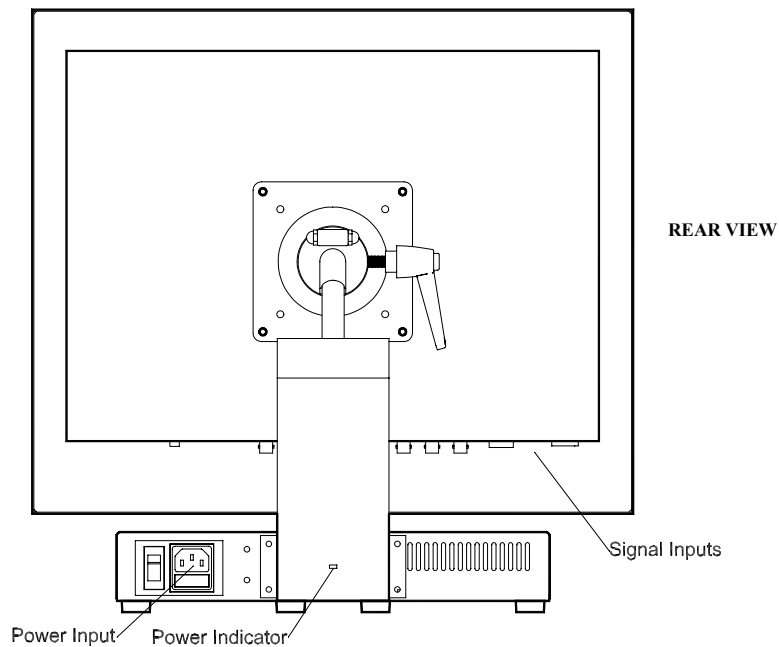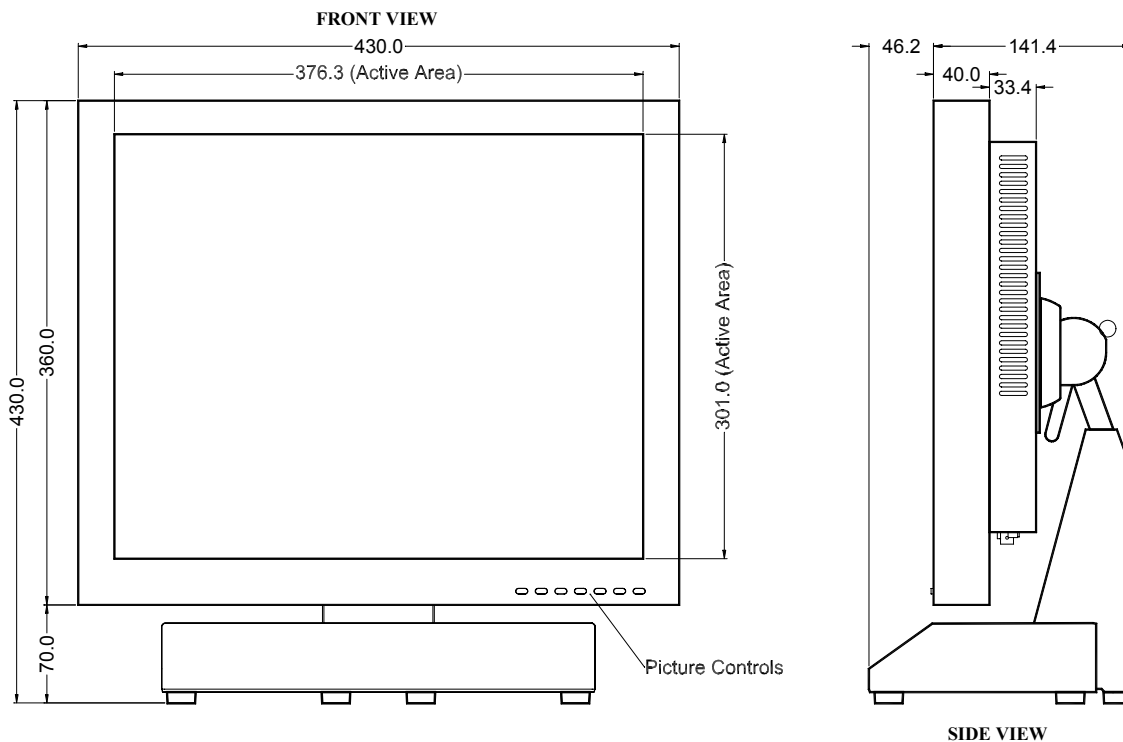19lm1901(51un/2)1 06/2005

SXGA and Old Legacy Signals

- **Specially designed for Slow Scan Signals**
- **CGA, EGA and all VESA standards up to SXGA**
- **Image Size Adjustment & Save**
- **Deep Dimming Capability (100% to 0%)**
- **TTL, Analog & Interlaced Signals accepted**
- **BNC, 9-D & 15-D Connectors**
- **Rugged Metal Construction with Good Stability**

The **19LM1901(51UN)** Series of 19.0" LCD monitors has been designed primarily for Slow Scan Legacy Systems as replacements for 20"/21" CRT monitors. They utilize a modern SXGA TFT (1280 x 1024 pixels) 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. (Dimensions are compatible with previous 18.1" series) The heavy-duty stand has the AC power supply in its base.

By special development of our own Signal Recognition and Scaling software, and access to an extensive library of older signal timings gained from 25+ years of CRT monitor manufacturing, KME has created a Multiscan ("Universal") flat panel monitor with unique 15kHz to 80kHz display capabilities. Some common Slow Scan Signal timings are factory pre-set. (see table below) New ones may be added on request. Other signals, which are close to those listed, will give a display but some adjustment may be necessary for full screen performance. The final settings can be easily stored for future use.

H. kHz	V. Hz	Pixels	H. kHz	V. Hz	Pixels
15.625	50	714 * 288	15.63	50	560 * 275
15.63	60	808 * 238	15.72	60	564 * 240
15.72	60	508 * 240	15.72	60	604 * 240
15.72	60	640 * 200	16.10	50	564 * 304
16.276	70	640 * 220	16.79	70	577 * 215
17.85	50	508 * 338	21.83	60	640 * 350
20.65	50	640 * 384	24.78	60	640 * 384

MONITORS & DISPLAY MODULES

INTELLIGENT DISPLAY SOLUTIONS

KME

19LM1901(51UN) SERIES

19.0" SLOW SCAN LCD MONITORS

FRONT VIEW

430.0

376.3 (Active Area)

430.0

360.0

301.0 (Active Area)

70.0

Picture Controls

46.2 141.4

40.0

33.4

SIDE VIEW

REAR VIEW

All dimensions in millimetres
(Not to scale)

Signal Inputs

Power Input   Power Indicator