

# SMD 18101

## 1 MPixel 18" Gray Scale Display



- Totally automated luminance stability through the Integrated Stability System (ISS)
- CIE/DICOM compliant gray scale response built into the display
- Sharper images with blue tinted backlight
- Fully supported by SMfit ACT® family of quality assurance tools
- 5 user defined 10 bit look up tables adaptable to diverse reading and viewing environments
- Gamma response calibrated during manufacturing to provide constant image quality from one display to the next
- Code protected key pad to ensure proper alignment
- Internal silent power supply

# display SOLUTIONS

Siemens SMD Series of gray scale displays meets the demanding requirements of Medical Imaging with the advantages of digital flat panel technology for reliable diagnosis.

The SMD 18101 accepts a wide range of current and legacy video, digital and RGB inputs. Its high brightness and contrast, combined with a cost effective design, create the perfect fit for many gray scale modalities and imaging environments.

**SIEMENS**

# SMD 18101

## 1 MPixel 18" Gray Scale Display

Technical specifications	
<b>Display performance</b>	
Resolution	1280 x 1024
Display area (W x H) in mm	359 x 287
Panel technology	Gray scale, TFT, IPS, dual domain
Viewing angle	170° H and V
Contrast ratio	600:1
Luminance	700 cd/m <sup>2</sup> (117 fL)
Calibrated luminance	DICOM, 400 cd/m <sup>2</sup> (117 fL) CIE, 400 cd/m <sup>2</sup> (117 fL) CRT, 400 cd/m <sup>2</sup> (117 fL) Linear, 400 cd/m <sup>2</sup> (117fL) Linear, 400 cd/m <sup>2</sup> (117fL)
LUT	10 bit
Number of gray shades	1024
Antireflection coating	Anti-glare
<b>Signal inputs</b>	
Connectivity	DVI-I; 5x BNC, 15pin-SubD, 1x BNC, 4pin-MiniDIN
Supported signals	DVI-D, single link RGB, Composite, Separate Sync, Y/C-signal
Supported formats	VGA, SVGA, XGA, SXGA, UXGA, non-interlaced, interlaced
<b>Analog properties</b>	
Line frequency	30 ... 97 kHz
Frame rate	50 ... 120 Hz
Signal level	0.5 ... 1.0 V <sub>pp</sub>
Sync level	0.2 ... 0.3 V <sub>pp</sub>
Impedance	75 Ω
<b>Data interface</b>	
Connectivity	RJ11, DVI
Supported signals	RS 232-Bus, DDC
<b>Supported software</b>	
SMfit ACT® Basics	Auto adjustment, stability and control tool (included in scope of delivery)
SMfit ACT® Calibration	Calibration software
SMfit ACT® Remote	Administrator tool
<b>Backlight</b>	
Technology	CCFL
Color	Blue tinted
ISS (Integrated Stability System)	Yes
Life time	50 000 h

Technical specifications	
<b>Climatic conditions</b>	
Operating temperature	0 ... +40 °C ( 32... +104 °F)
Within specifications	0 ... +35 °C ( 32 ... +95 °F)
Storage temperature	-20 ... +60 °C ( -4 ... +140 °F)
Operating humidity	20% ... 80%, relative
Storage humidity	5% ... 95%, relative
Barometric pressure	1050 hPa ... 600 hPa
<b>Power requirements</b>	
Input voltage	100 ... 240 V AC, ± 10%
Power frequency	50 ... 60 Hz, ± 5%
Power consumption	< 55 W
Power save (analog)	DPMS
Power save (digital)	DVI-DMPM
<b>Mechanical specifications</b>	
Mechanical adaptation	VESA 100 mm x 100 mm
Degree of protection	IP20
Dimensions without stand (W x H x D) in mm	413 x 338 x 95
Weight without stand	6.7 kg
Weight with protective glass	7.3 kg
Dimensions with stand (W x H x D) in mm	413 x 341 x 100
Weight with stand	9.9 kg
<b>Design</b>	
Mounting options	Ceiling suspension or desktop
Orientation	Landscape or portrait
<b>Panel controls</b>	
Controls	Key pad and OSD
Indicators	Power on/off
<b>Approvals</b>	
Safety	EN60601-1 CSA C22.2 No.601.1 UL60601-1
EMC	EN60601-1-2 limit B FCC Class A MPR II
<b>Compatible stands</b>	
Fixed	6GF6280-1DG
Multifunction	6GF6988-8AA01 (without protective glass)
Multifunction	6GF6988-8AA02 (with protective glass)
<b>Ordering data</b>	
Without stand: SMD 18101 CS	6GF6221-2CD13
With protective glass, without stand: SMD18101 CP	Available on request
With fixed stand: SMD 18101 D	6GF6221-2CD14

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