



SMfit® Total Care

Professional Web QA Software



SMfit® Total Care Truly web based

- Automated contrast and luminance setting
- Hands-off luminance stability via internal display sensors
- Gamma calibration with various LUTs
- Calculate LUTs on high precision factory calibration basis
- Log file tracking of quality action results
- Remote access to log data
- Supports field calibration and selectable correction for luminance uniformity as dictated by national standards
- Professional RS 232 and Serial Bus, DVI and USB
- Additional features due to support of several photometers
- Various modality features
- Can be adopted to various operating systems

display SOLUTIONS

Doctors making a diagnosis must be able to rely at all times on correct image reproduction in their medical displays. But the picture quality on displays changes if the parameters are not regularly monitored and, if necessary, adjusted.

Constant checking of screen quality for medical display is therefore indispensable. Standards such as DICOM (Digital Imaging and Communications in Medicine) prescribe internationally valid quality levels here.

Not only is every medical display from Eizo Display Technologies precisely calibrated, but you also receive the quality software SMfit Total Care, so you can work with certainty

right from the start. It automatically checks all displays connected to a workstation for brightness and contrast and guarantees constant image quality simply and cost effectively.

In addition, special adjustments can be made to the display.

SMfit® Total Care also allows you to calibrate in the field, so you have displays in modalities as in mammography, magnetic resonance imaging, or nuclear spin tomography.

You don't require any special equipment for this: the acceptance and constancy tests are carried out simply with a photometer and a notebook.



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Features	
Scheduler capability	For time and conformance testing
Operating systems supported	<ul style="list-style-type: none"> Windows 2000 Windows XP
Graphic cards supported	<ul style="list-style-type: none"> Compatible with multiple graphic boards (Eizo SDG series, Matrox, nVidia) Supports stretched mode and clone mode with SDGxxxxDM and Matrox boards
Configurations supported	<ul style="list-style-type: none"> Host systems for full performance Laptop for diagnostics and luminance measurement
Photometers supported	<ul style="list-style-type: none"> Serial Spot Meter Universal Serial Luminance Meter Advanced Serial Luminance Meter „Hot Plug“ capability for photometers
Luminance settings	<ul style="list-style-type: none"> Automated brightness and automated contrast Ambient light logging and message notification
Conformance Testing	<ul style="list-style-type: none"> Hands-off with internal sensor DIN 6868-57 with external photometers

Additional Features and Data with Serial Spot Meter	
Monitors supported	Monochrome LCD, also suitable for gray level calibration of color displays
Measurement units	Luminance in cd/m ²
Measurement range	0.05 ... 20,000 cd/m ²
Measurement accuracy	± 9.6% (class B DIN 5032-7)
Gamma models supported	<ul style="list-style-type: none"> DICOM gray scale standard display function Any Gamma function Adapted display function (e.g. different environments)
Monitor adjustment control of	<ul style="list-style-type: none"> Geometry settings Focus settings Diagnostics and trouble shooting
Test patterns	Multiple patterns including SMPTE, AAPM and DIN
Scope of supply	<ul style="list-style-type: none"> Serial Spot Meter Software with site license and integrated customizable DIN and QS-RL modules

Additional Features and Data with Serial Spot Meter	
Ordering data	Order No.
SMfit® Total Care with Serial Spot Meter and License Key	6GF6980-7DA31
Extension tube	6GF6980-8WG11
Interface cable RS 232 3-pin	6GF6980-8WG12
Interface cable RS 232 5-pin	6GF6980-8WG13
Spare part shadow mask	6GF6980-8WG14

Additional Features and Data with Advanced Serial Luminance Meter	
Monitors supported	Monochrome and color LCD
Measurement units	Luminance in cd/m ² and fL
Measurement range	0.1 ... 800 cd/m ²
Measurement accuracy	<ul style="list-style-type: none"> L: ± 3% x,y: ± 0.004 Valid from 1 ... 1000 cd/m²
Gamma models supported	<ul style="list-style-type: none"> DICOM gray scale standard display function Any Gamma function Color temperature calibration simultaneously to Gamma correction Adapted display function (e.g. different environments)
Monitor adjustment control of	<ul style="list-style-type: none"> Geometry settings Focus settings Diagnostics and trouble shooting
Test patterns	Multiple patterns including SMPTE, AAPM and DIN
Scope of supply	<ul style="list-style-type: none"> Advanced Serial Luminance Meter Software with site license and integrated customizable QS-RL modules

Ordering data	Order No.
SMfit® Total Care with ASLM and License Key	6GF6980-7DA32
SMfit® Total Care with ASLM and License Key and USB converter	6GF6980-7DA33 (additional USB-Serial converter included)

SMfit® Site Manager	
Innovative remote quality assurance	Web based remote maintenance and control tool with World Wide Tracking system and easy Asset Management integrated
Ordering data	Order No.
SMfit® Site Manager Software	6GF6980-7DB31

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