

Computer Name:	hp01
Location/Room:	
Notes/Comments:	
Monitor Name:	Display 1 - BE 215
Working Hours:	0:00
Error Log:	not supported

0.21 cd/sqm	Target LMax:	135.0 cd/sqm
0.21 cd/sqm disabled	Current LMax:	130.68 cd/sqm

DICOM 14	MNs/Luminance Interval:	1.91
0.052	Classification:	EXCELLENT

### JND Graph



# SMfit® Total Care

## Professional Web QA Software

- Hands-off luminance stability verification via internal display sensors
- Independent gamma calibration maintained in individual LUTs
- Tailored LUT adaptation based on high precision factory calibration data
- Long term device history maintained for simple tracking of device quality over time
- Full point to point and remote access via standard IP network
- Enables luminance uniformity correction and selection in the field
- Supports multiple communication options including RS 232, serial Bus, DVI-DDC and USB
- Optimized for multiple photometers tailored to different measurement needs
- Extended modality support functions
- Easily ported to nearly any operating system

# display SOLUTIONS

To make a proper diagnosis, doctors must be able to rely on the ability of their medical displays to correctly reproduce images at all times. Standards like DICOM provide an internationally recognized basis for evaluating image quality. To manage the changes in image quality brought on by the physical effects of aging, displays used for medical viewing should be regularly monitored and adjusted if needed. SMfit® Total Care was developed specifically to help monitor and manage the quality of medical displays over the course of their lifetime. Whether adapting a new display to the local environment or verifying the capabilities of a display that has served diagnostic purposes for five years, SMfit Total Care offers a range of powerful and easy to use tools for implementing an effective quality assurance program.

It can be used with almost any display from nearly any manufacturer, and offers unprecedented comfort when used in conjunction with medical grade displays from EIZO Display Technologies. Based on the Java programming language, the software can be easily porting to almost any operating system. With full network capability, SMfit® Total Care provides access to displays located within the local facility or installed at a remote sites around the world. This allows technicians to focus on image quality rather than the logistics of getting to the installation site. And when network access is not available, SMfit® Total Care offers numerous functions for supporting modality and stand alone displays



# SMfit® Total Care Professional Web QA Software

Features	
Scheduler	Planned conformance testing
Operating system support	<ul style="list-style-type: none"> <li>Windows XP</li> <li>Linux and Windows Vista (available upon request)</li> </ul>
Graphics card support	Tested during release with multiple graphics cards, including the EIZO SDG series, Matrox and nVidia boards
Photometer support	<ul style="list-style-type: none"> <li>Serial Spot Meter</li> <li>Universal Serial Luminance Meter</li> <li>Advanced Serial Luminance Meter</li> <li>„Hot Plug“ capability for photometers</li> </ul>
Conformance testing	<ul style="list-style-type: none"> <li>Hands-off testing using internal display sensors</li> <li>DIN 6868-57 conformance and acceptance testing with external photometers</li> </ul>
Monitor adjustment control	<ul style="list-style-type: none"> <li>Geometry settings</li> <li>Focus settings</li> <li>Diagnostics and troubleshooting</li> <li>Automatic display adaptation to analog video sources</li> </ul>
Test patterns	Multiple test patterns including SMPTE, AAPM and DIN

Additional Features and Data with Serial Spot Meter	
Monitors supported	Monochrome LCDs Also suitable for luminance calibration of color displays
Measurement units	Luminance in cd/m <sup>2</sup>
Measurement range	0.05 ... 20,000 cd/m <sup>2</sup>
Measurement accuracy	± 9.6% (class B DIN 5032-7)
Gamma model support	<ul style="list-style-type: none"> <li>Standard DICOM grayscale display function</li> <li>Any gamma function</li> <li>Adapted display function (e.g. specialized environments)</li> </ul>
Scope of supply	<ul style="list-style-type: none"> <li>Serial Spot Meter</li> <li>Software with site license and customizable, integrated DIN and QS-RL modules</li> </ul>

Additional Features and Data with Serial Spot Meter	
<b>Ordering data</b>	<b>Order No.</b>
SMfit® Total Care with SSM and License Key	6GF6980-7DA31

Additional Features and Data with Advanced Serial Luminance Meter	
Monitors supported	Monochrome and color LCDs Color temperature calibration supported for color LCDs
Measurement units	Luminance in cd/m <sup>2</sup> and fL
Measurement range	0.1 ... 800 cd/m <sup>2</sup>
Measurement accuracy	<ul style="list-style-type: none"> <li>L: ± 3%</li> <li>x,y: ± 0.004</li> <li>Valid from 1 ... 1000 cd/m<sup>2</sup></li> </ul>
Gamma model support	<ul style="list-style-type: none"> <li>Standard DICOM grayscale display function</li> <li>Any gamma function</li> <li>Simultaneous color temperature calibration and gamma correction</li> <li>Adapted display function (e.g. specialized environments)</li> </ul>
Scope of supply	<ul style="list-style-type: none"> <li>Advanced Serial Luminance Meter</li> <li>Software with site license and integrated customizable QS-RL modules</li> </ul>
<b>Ordering data</b>	<b>Order No.</b>
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)

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