

UGRA

Display Analysis & Certification Tool

Summary

Basics

Date: 2009-11-9 14:03:24
Report-Version: v1.3.1
Monitor-Name: P221W
EDID-Name: P221W
EDID-Serial:
Profile: /Users/tholm/Library/ColorSync/Profiles/P221W_HW_matrix.icc
Created: 2009-11-9 13:54
Measurement device: DTP94-LCD mode

Summary

The monitor has passed the certification according to the UGRA DACT specifications.

Calibration

White Point	yes
Gray balance	yes
Profile quality	yes

Softproofing

MultiColor, HighBody	yes
Offset/Gravure Paper Type 1/2	yes
Offset on uncoated paper	yes
Newspaper Printing	yes
sRGB	yes
AdobeRGB	yes
ECI-RGB	yes

Diagram



Whitepoint

The whitepoint should be as close as possible to the black body curve and the calibration target. The maximum allowed distance to the target whitepoint is DeltaE 2.0.

XYZ: 115.12 120.40 116.53
XYZ (normalized): 95.61 100.00 96.78
Luminance: 120.4 Cd/m²
Next Temperature: 5742 Kelvin
Assumed Target Whitepoint: 5700 Kelvin
Distance to assumed Target Whitepoint: 0.8 deltaE

Blackpoint

The blackpoint is not defined in ISO 12646. Therefore UDACT does only measure but not assess it.

Luminance:	0.1 Cd/m2
Chromaticity:	0.4 Chroma (Lab)

Gray balance

Average and maximum calculation will respect measurements with 1% minimum luminance only. The maximum allowed deviations to comply with this test are an average of DeltaC 1.0 and a range of DeltaC 2.0.

Average Temperature	5773
Average Chroma Deviation	0.40
Maximum Chroma Deviation	0.66
Chroma Range	1.22
Average Gamma	2.24
Tone values	100.0%

Through the calibration of a display tone values can be lost. A display for the printing industry should show at least 95% of the incoming tone values.

Profile Quality

This test displays and measures RGB values and compares them with the transformation of the profile. The maximum allowed deviations to comply with this test are an average of DeltaE 3.0 and a maximum of DeltaE 6.0.

The assumed chromatic adaptation is: CAT02

	DeltaE
Average	0.9
Maximum	2.7

Gamut-Volume

These measurements are only informative.

Gamut-Volume (ISO)	100 %
Gamut-Volume (sRGB)	98 %
Gamut-Volume (AdobeRGB)	97 %
Gamut-Volume (ECI-RGB v1.0)	93 %

ISO-Gamut

This test displays and measures Lab values and compares them with the reference. The maximum allowed deviations to comply with this test are an average of DeltaE 4.0 and a minimum Gamut volume of 90% for ISOcoated.

Average Deviation	0.9
Gamut-Volume	100 %