

Test of 16 visually equally spaced steps of the colour rows $N-C_d$, $N-M_d$, $N-Y_d$, and $W-N$ according to picture B4N-030-0

$N-C_d$ Black – Cyanblue:	Are all the 16 steps distinguishable?	Yes/No
	If No: How many steps can be distinguished? of the given 16 steps	 Steps
$N-M_d$ Black – Magentared:	Are all the 16 steps distinguishable?	Yes/No
	If No: How many steps can be distinguished? of the given 16 steps	 Steps
$N-Y_d$ Black – Yellow:	Are all the 16 steps distinguishable?	Yes/No
	If No: How many steps can be distinguished? of the given 16 steps	 Steps
$W-N$ White – Black:	Are all the 16 steps distinguishable?	Yes/No
	If No: How many steps can be distinguished? of the given 16 steps	 Steps

Test of characters and Landolt-rings in four sizes according to picture B5N-030-0

Is the recognition frequency > 50% for letters (17 from 32 at least) and for Landolt-rings (minimum 5 of 8)?

Relative size	Letters	Ring N	Ring C_d	Ring M_d	Ring Y_d
10	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
8	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
6	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
4	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No

Test of recognition frequency of Landolt-rings $N-C_d$, $N-M_d$, $N-Y_d$, and $W-N$ according to pictures B6N-030-0, and B7N-030-0

Is the recognition frequency of the Landolt-rings > 50% (min. 5 of 8 at least)?

Colour row $N-C_d$ background – ring	Colour row $N-M_d$ background – ring	Colour row $N-Y_d$ background – ring	Colour row $W-N$ background – ring
0 – 1 Yes/No	0 – 1 Yes/No	0 – 1 Yes/No	0 – 1 Yes/No
7 – 8 Yes/No	7 – 8 Yes/No	7 – 8 Yes/No	7 – 8 Yes/No
E – F Yes/No	E – F Yes/No	E – F Yes/No	E – F Yes/No
2 – 0 Yes/No	2 – 0 Yes/No	2 – 0 Yes/No	2 – 0 Yes/No
8 – 6 Yes/No	8 – 6 Yes/No	8 – 6 Yes/No	8 – 6 Yes/No
F – D Yes/No	F – D Yes/No	F – D Yes/No	F – D Yes/No

Part 1

OE650-3N-030-1

Documentation of file format, hardware and software for this test:

PDF-File: http://130.149.60.45/farbmetrik/OE65/OE65L2NP.PDF **underline Yes/No**

PS-File: http://130.149.60.45/farbmetrik/OE65/OE65L2NA.PS **or underline Yes/No**

Used computer operating system:

either one of Windows/Mac/Unix/other and version:.....

This evaluation is for the device output: **underline monitor/data projector/printer**

Device model, driver and version:.....

Device output with PDF/PS-file: **underline PDF/PS-file**

For device output with PDF-file OE65L2NP.PDF:

- either PDF-file transfer "download, copy" to PDF device.....
- or with computer system interpretation by "Display-PDF":.....
- or with software. e. g. Adobe-Reader-/Acrobat and version:.....
- or with software e. g. Ghostscript and version:.....

For device output with PS-file OE65L2NA.PS:

- either PS-file transfer "download, copy" to PS device.....
- or with computer system interpretation by "Display-PS":.....
- or with software e. g. Ghostscript and version:.....
- or with software e. g. Mac-Yap and version:.....

Special remarks: Special remarks, e. g. output of Landscape (L)

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Part 3

OE650-7N-030-1

OE65: Form A for test chart 2m according to ISO 15775; DH
16 step colour scales, letter size, Landolt-rings

Test of 16 visually equally spaced steps of the colour rows $Z-C_d$, $Z-M_d$, $Z-Y_d$, and $W-N$ according to picture B4Z-030-0

$Z-C_d$ Grey – Cyanblue:	Are all the 16 steps distinguishable?	Yes/No
	If No: How many steps can be distinguished? of the given 16 steps	 Steps
$Z-M_d$ Grey – Magentared:	Are all the 16 steps distinguishable?	Yes/No
	If No: How many steps can be distinguished? of the given 16 steps	 Steps
$Z-Y_d$ Grey – Yellow:	Are all the 16 steps distinguishable?	Yes/No
	If No: How many steps can be distinguished? of the given 16 steps	 Steps
$W-N$ White – Black:	Are all the 16 steps distinguishable?	Yes/No
	If No: How many steps can be distinguished? of the given 16 steps	 Steps

Test of characters and Landolt-rings in four sizes according to picture B5Z-030-0

Is the recognition frequency > 50% for letters (17 from 32 at least) and for Landolt-rings (minimum 5 of 8)?

Relative size	Letters	Ring N	Ring C_d	Ring M_d	Ring Y_d
10	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
8	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
6	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
4	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No

Test of recognition frequency of Landolt-rings $Z-C_d$, $Z-M_d$, $Z-Y_d$, and $W-N$ according to pictures B6Z-030-0, and B7Z-030-0

Is the recognition frequency of the Landolt-rings > 50% (min. 5 of 8 at least)?

Colour row $Z-C_d$ background – ring	Colour row $Z-M_d$ background – ring	Colour row $Z-Y_d$ background – ring	Colour row $W-N$ background – ring
0 – 1 Yes/No	0 – 1 Yes/No	0 – 1 Yes/No	0 – 1 Yes/No
7 – 8 Yes/No	7 – 8 Yes/No	7 – 8 Yes/No	7 – 8 Yes/No
E – F Yes/No	E – F Yes/No	E – F Yes/No	E – F Yes/No
2 – 0 Yes/No	2 – 0 Yes/No	2 – 0 Yes/No	2 – 0 Yes/No
8 – 6 Yes/No	8 – 6 Yes/No	8 – 6 Yes/No	8 – 6 Yes/No
F – D Yes/No	F – D Yes/No	F – D Yes/No	F – D Yes/No

Part 1

OE650-3N-030-1

Documentation of assessor colour vision properties for visual assessment

The assessor has **normal** colour vision according to one test:

- either according to DIN 6160:1996 with Anomaloskop of Nagel
- or with test charts using colour points according to Ishihara
- or tested with, please specify:

underline Yes/No

underline Yes/unknown

underline Yes/unknown

underline Yes/unknown

For visual evaluation of the display (monitor, data projector) output

Office workplace illumination is daylight (clouded/north sky)

underline Yes/No

PDF file: http://130.149.60.45/farbmetrik/OE65/OE65F1P2.PDF

underline Yes/No

PS file: http://130.149.60.45/farbmetrik/OE65/OE65F1P2.PS

underline Yes/No

Picture A7-030-2: contrast range: (>F:0) (F:0) (E:0) (D:0) (C:0) (A:0) (9:0) (7:0) (5:0) (3:0) (<3:0)

compare standard print output according to ISO/IEC 15775 with range F:0

underline range

Remark: In daylighted offices the contrast range is in many cases:

on display between: >F:0 and E:0 (monitor), D:0 and 3:0 (data projector)

Only for optional colorimetric specification with PDF/PS file output

PDF-File: http://130.149.60.45/farbmetrik/OE65/OE65F1P2.PDF

picture A7-030-2

underline Yes/No

PS-File: http://130.149.60.45/farbmetrik/OE65/OE65F1P2.PS

picture A7-030-2

or underline Yes/No

colour measurement and specification for:

CIE standard illuminant D65, 2 degree observer, CIE 45/0 geometry:

underline Yes/No

If No, please give other parameters:

Colorimetric specification with PS file for colours in the columns A to T

Exchange of CIELAB data in file www.ps.bam.de/De17/10L/L17e00NP.PS and transfer

of the PS-file L17e00NP.PS in PDF-file L17e00NP.PDF

underline Yes/No

If No, please describe other method:

Part 4

OE651-7N-030-1

input: rgb ($\rightarrow rgb^*_d$) $setrgbcolor$
output 030-1: no change