

**Test for the best visual linearized output of Picture A7-130-0** Yes/No  
**Output test with the computer display ( ) or the external display ( )**  
**Test of the radial grating according to picture A1-130-0**  
**N-W-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**W-N-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**N-Z-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**W-Z-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**Test of 5 visual equidistant L\*-grey steps according to picture A2-130-0**  
 Are the 5 steps on the upper rows distinguishable? Yes/No  
 If No: How many steps can be distinguished? of the given 5 steps: .... Steps  
**Test of 16 visual equidistant L\*-grey steps according to picture A3-130-0**  
 Are the 16 steps on the upper rows distinguishable? Yes/No  
 If No: How many steps can be distinguished? of the given 16 steps: .... Steps

Part 1

OE530-3N-130-1

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

**PDF-File:** <http://130.149.60.45/farbmetrik/OE53/OE53L0NP.PDF> underline Yes/No

**PS-File:** <http://130.149.60.45/farbmetrik/OE53/OE53L0NA.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 OE53L0NP.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 OE53L0NA.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

OE530-7N-130-1

OE53: Form A for test chart according to ISO 9241-306; 1MR, DH input:  $rgb(->rgb^*_d)$  setrgbcolor  
 Viewing  $Y$  contrast  $Y_W:Y_N=88,9:0,31$ ;  $Y_N$  range 0,0 to <0,46 output 130-1:  $g_P=1.0$ ;  $g_N=1.0$

**Test for the best visual linearized output of Picture A7-130-0** Yes/No  
**Output test with the computer display ( ) or the external display ( )**  
**Test of the Landolt-rings N-W according to picture A4-130-0**  
**N-W-radial grating:**  
 Is the recognition frequency of the Landolt-rings > 50% (5 of 8 at least)?  
 background – ring  
 0 – 1 Yes/No  
 7 – 8 Yes/No  
 E – F Yes/No  
 2 – 0 Yes/No  
 8 – 6 Yes/No  
 F – D Yes/No  
**Test of the radial grating under 45° according to picture A5-130-0**  
 Can equally spaced lines be seen?  
 Visual testing: for radial diameter from 15 to 60 lpi Yes/No  
 Test with a magnifying glass (e.g. 6x): – from 15 lpi: to ..... lpi  
**Test of the radial grating under 90° according to picture A6-130-0**  
 Can equally spaced lines be seen?  
 Visual testing: for radial diameter from 15 to 60 lpi Yes/No  
 Test with a magnifying glass (e.g. 6x): – from 15 lpi: to ..... lpi

Part 2

OE531-3N-130-1

**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)

**PDF file:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PDF>

**PS file:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS>

**Picture A7-130-2: 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/OE53/OE53F1P2.PDF>

**picture A7-130-2**

underline Yes/No

**PS-File:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS>

**picture A7-130-2**

or underline Yes/No

**colour measurement and specification for:**

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

If No, please give other parameters: .....

underline Yes/No

**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](http://www.ps.bam.de/De17/10L/L17e00NP.PS) and transfer

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

If No, please describe other method: .....

underline Yes/No

Part 4

OE531-7N-130-1

<b>Test for the best visual linearized output of Picture A7-131-0</b>		Yes/No
<b>Output test with the computer display ( ) or the external display ( )</b>		
<b>Test of the radial grating according to picture A1-131-0</b>		
N-W-radial grating:	Is the resolution diameter < 6 mm?	Yes/No
	Test with magnifying glass (e.g. 6x)	..... mm
	resolution diameter	Yes/No
W-N-radial grating:	Is the resolution diameter < 6 mm?	..... mm
	Test with magnifying glass (e.g. 6x)	Yes/No
	resolution diameter	..... mm
N-Z-radial grating:	Is the resolution diameter < 6 mm?	Yes/No
	Test with magnifying glass (e.g. 6x)	..... mm
	resolution diameter	Yes/No
W-Z-radial grating:	Is the resolution diameter < 6 mm?	..... mm
	Test with magnifying glass (e.g. 6x)	Yes/No
	resolution diameter	..... mm
<b>Test of 5 visual equidistant L*-grey steps according to picture A2-131-0</b>		
Are the 5 steps on the upper rows distinguishable?		Yes/No
If No: How many steps can be distinguished?		..... Steps
of the given 5 steps:		..... Steps
<b>Test of 16 visual equidistant L*-grey steps according to picture A3-131-0</b>		
Are the 16 steps on the upper rows distinguishable?		Yes/No
If No: How many steps can be distinguished?		..... Steps
of the given 16 steps:		..... Steps

Part 1

OE530-3N-131-1

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

**PDF-File:** http://130.149.60.45/farbmetrik/OE53/OE53L0NP.PDF underline Yes/No

**PS-File:** http://130.149.60.45/farbmetrik/OE53/OE53L0NA.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 OE53L0NP.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 OE53L0NA.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

OE530-7N-131-1

OE53: Form A for test chart according to ISO 9241-306; 1MR, DH input:  $rgb \rightarrow rgb^*_d$  setrgbcolor  
Viewing Y contrast  $Y_W:Y_N=88,9:0,62$ ;  $Y_N$  range 0,46 to <0,93 output 131-1:  $g_P=0,92$ ;  $g_N=1,0$

<b>Test for the best visual linearized output of Picture A7-131-0</b>		Yes/No
<b>Output test with the computer display ( ) or the external display ( )</b>		
<b>Test of the Landolt-rings N-W according to picture A4-131-0</b>		
N-W-radial grating:		
Is the recognition frequency of the Landolt-rings > 50% (5 of 8 at least)?		
	background – ring	Yes/No
	0 – 1	Yes/No
	7 – 8	Yes/No
	E – F	Yes/No
	2 – 0	Yes/No
	8 – 6	Yes/No
	F – D	Yes/No
<b>Test of the radial grating under 45° according to picture A5-131-0</b>		
Can equally spaced lines be seen?		
Visual testing: for radial diameter from 15 to 60 lpi		Yes/No
Test with a magnifying glass (e.g. 6x): – from 15 lpi:		to ..... lpi
<b>Test of the radial grating under 90° according to picture A6-131-0</b>		
Can equally spaced lines be seen?		
Visual testing: for radial diameter from 15 to 60 lpi		Yes/No
Test with a magnifying glass (e.g. 6x): – from 15 lpi:		to ..... lpi

Part 2

OE531-3N-131-1

**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)

**PDF file:** http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PDF

**PS file:** http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS

**Picture A7-131-2: 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/OE53/OE53F1P2.PDF

**picture A7-131-2**

underline Yes/No

**PS-File:** http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS

**picture A7-131-2**

or underline Yes/No

**colour measurement and specification for:**

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

If No, please give other parameters: .....

underline Yes/No

**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

If No, please describe other method: .....

underline Yes/No

Part 4

OE531-7N-131-1

**Test for the best visual linearized output of Picture A7-132-0** Yes/No  
**Output test with the computer display ( ) or the external display ( )**  
**Test of the radial grating according to picture A1-132-0**  
**N-W-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**W-N-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**N-Z-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**W-Z-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**Test of 5 visual equidistant L\*-grey steps according to picture A2-132-0**  
 Are the 5 steps on the upper rows distinguishable? Yes/No  
 If No: How many steps can be distinguished? ..... Steps  
**Test of 16 visual equidistant L\*-grey steps according to picture A3-132-0**  
 Are the 16 steps on the upper rows distinguishable? Yes/No  
 If No: How many steps can be distinguished? .... Steps

Part 1

OE530-3N-132-1

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

**PDF-File:** http://130.149.60.45/farbmetrik/OE53/OE53L0NP.PDF underline Yes/No

**PS-File:** http://130.149.60.45/farbmetrik/OE53/OE53L0NA.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 OE53L0NP.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 OE53L0NA.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

OE530-7N-132-1

OE53: Form A for test chart according to ISO 9241-306; 1MR, DH input:  $rgb(->rgb^*_d) setrgbcolor$   
 Viewing  $Y$  contrast  $Y_W:Y_N=88,9:1,25$ ;  $Y_N$  range 0,93 to <1,87 output 132-1:  $g_P=0,85$ ;  $g_N=1,0$

**Test for the best visual linearized output of Picture A7-132-0** Yes/No  
**Output test with the computer display ( ) or the external display ( )**  
**Test of the Landolt-rings N-W according to picture A4-132-0**  
**N-W-radial grating:**  
 Is the recognition frequency of the Landolt-rings > 50% (5 of 8 at least)?  
 background – ring  
 0 – 1 Yes/No  
 7 – 8 Yes/No  
 E – F Yes/No  
 2 – 0 Yes/No  
 8 – 6 Yes/No  
 F – D Yes/No  
**Test of the radial grating under 45° according to picture A5-132-0**  
 Can equally spaced lines be seen?  
 Visual testing: for radial diameter from 15 to 60 lpi Yes/No  
 Test with a magnifying glass (e.g. 6x): – from 15 lpi to ..... lpi  
**Test of the radial grating under 90° according to picture A6-132-0**  
 Can equally spaced lines be seen?  
 Visual testing: for radial diameter from 15 to 60 lpi Yes/No  
 Test with a magnifying glass (e.g. 6x): – from 15 lpi to ..... lpi

Part 2

OE531-3N-132-1

**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)

**PDF file:** http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PDF

**PS file:** http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS

**Picture A7-132-2: 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/OE53/OE53F1P2.PDF

**picture A7-132-2**

underline Yes/No

**PS-File:** http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS

**picture A7-132-2**

or underline Yes/No

**colour measurement and specification for:**

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

If No, please give other parameters: .....

underline Yes/No

**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

If No, please describe other method: .....

underline Yes/No

Part 4

OE531-7N-132-1



**Test for the best visual linearized output of Picture A7-133-0** Yes/No  
**Output test with the computer display ( ) or the external display ( )**  
**Test of the radial grating according to picture A1-133-0**  
**N-W-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**W-N-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**N-Z-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**W-Z-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**Test of 5 visual equidistant L\*-grey steps according to picture A2-133-0**  
 Are the 5 steps on the upper rows distinguishable? Yes/No  
 If No: How many steps can be distinguished? of the given 5 steps: .... Steps  
**Test of 16 visual equidistant L\*-grey steps according to picture A3-133-0**  
 Are the 16 steps on the upper rows distinguishable? Yes/No  
 If No: How many steps can be distinguished? of the given 16 steps: .... Steps

Part 1

OE530-3N-133-1

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

**PDF-File:** <http://130.149.60.45/farbmetrik/OE53/OE53L0NP.PDF> underline Yes/No

**PS-File:** <http://130.149.60.45/farbmetrik/OE53/OE53L0NA.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 OE53L0NP.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 OE53L0NA.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)

Part 3

OE530-7N-133-1

OE53: Form A for test chart according to ISO 9241-306; 1MR, DH input:  $rgb \rightarrow rgb^*_d$  setrgbcolor  
 Viewing  $Y$  contrast  $Y_W:Y_N=88,9:2,5$ ;  $Y_N$  range 1,87 to <3,75 output 133-1:  $g_P=0,77$ ;  $g_N=1,0$

**Test for the best visual linearized output of Picture A7-133-0** Yes/No  
**Output test with the computer display ( ) or the external display ( )**  
**Test of the Landolt-rings N-W according to picture A4-133-0**  
**N-W-radial grating:**  
 Is the recognition frequency of the Landolt-rings > 50% (5 of 8 at least)?  
 background – ring  
 0 – 1 Yes/No  
 7 – 8 Yes/No  
 E – F Yes/No  
 2 – 0 Yes/No  
 8 – 6 Yes/No  
 F – D Yes/No  
**Test of the radial grating under 45° according to picture A5-133-0**  
 Can equally spaced lines be seen?  
 Visual testing: for radial diameter from 15 to 60 lpi Yes/No  
 Test with a magnifying glass (e.g. 6x): – from 15 lpi to ..... lpi  
**Test of the radial grating under 90° according to picture A6-133-0**  
 Can equally spaced lines be seen?  
 Visual testing: for radial diameter from 15 to 60 lpi Yes/No  
 Test with a magnifying glass (e.g. 6x): – from 15 lpi to ..... lpi

Part 2

OE531-3N-133-1

**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/OE53/OE53F1P2.PDF>

underline Yes/No

**PS file:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS>

underline Yes/No

**Picture A7-133-2: 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/OE53/OE53F1P2.PDF>

underline Yes/No

**PS-File:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS>

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](http://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

OE531-7N-133-1

**Test for the best visual linearized output of Picture A7-134-0** Yes/No  
**Output test with the computer display ( ) or the external display ( )**  
**Test of the radial grating according to picture A1-134-0**  
**N-W-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**W-N-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**N-Z-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**W-Z-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**Test of 5 visual equidistant L\*-grey steps according to picture A2-134-0**  
 Are the 5 steps on the upper rows distinguishable? Yes/No  
 If No: How many steps can be distinguished? of the given 5 steps: ..... Steps  
**Test of 16 visual equidistant L\*-grey steps according to picture A3-134-0**  
 Are the 16 steps on the upper rows distinguishable? Yes/No  
 If No: How many steps can be distinguished? of the given 16 steps: .... Steps

Part 1

OE530-3N-134-1

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

**PDF-File:** <http://130.149.60.45/farbmetrik/OE53/OE53L0NP.PDF> underline Yes/No

**PS-File:** <http://130.149.60.45/farbmetrik/OE53/OE53L0NA.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 OE53L0NP.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 OE53L0NA.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)

Part 3

OE530-7N-134-1

OE53: Form A for test chart according to ISO 9241-306; 1MR, DH input:  $rgb(->rgb^*_d)$  setrgbcolor  
 Viewing  $Y$  contrast  $Y_W:Y_N=88,9:5$ ;  $Y_N$  range 3,75 to <7,5  
 output 134-1:  $g_P=0.7$ ;  $g_N=1.0$

**Test for the best visual linearized output of Picture A7-134-0** Yes/No  
**Output test with the computer display ( ) or the external display ( )**  
**Test of the Landolt-rings N-W according to picture A4-134-0**  
**N-W-radial grating:**  
 Is the recognition frequency of the Landolt-rings > 50% (5 of 8 at least)?  
 background – ring  
 0 – 1 Yes/No  
 7 – 8 Yes/No  
 E – F Yes/No  
 2 – 0 Yes/No  
 8 – 6 Yes/No  
 F – D Yes/No  
**Test of the radial grating under 45° according to picture A5-134-0**  
 Can equally spaced lines be seen?  
 Visual testing: for radial diameter from 15 to 60 lpi Yes/No  
 Test with a magnifying glass (e.g. 6x): – from 15 lpi: to ..... lpi  
**Test of the radial grating under 90° according to picture A6-134-0**  
 Can equally spaced lines be seen?  
 Visual testing: for radial diameter from 15 to 60 lpi Yes/No  
 Test with a magnifying glass (e.g. 6x): – from 15 lpi: to ..... lpi

Part 2

OE531-3N-134-1

**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)

**PDF file:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PDF>

**PS file:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS>

**Picture A7-134-2: 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/OE53/OE53F1P2.PDF>

**picture A7-134-2**

underline Yes/No

**PS-File:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS>

**picture A7-134-2**

or underline Yes/No

**colour measurement and specification for:**

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

If No, please give other parameters: .....

underline Yes/No

**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](http://www.ps.bam.de/De17/10L/L17e00NP.PS) and transfer

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

If No, please describe other method: .....

underline Yes/No

Part 4

OE531-7N-134-1

Test for the best visual linearized output of Picture A7-135-0		Yes/No
<b>Output test with the computer display ( ) or the external display ( )</b>		
<b>Test of the radial grating according to picture A1-135-0</b>		
N-W-radial grating:	Is the resolution diameter < 6 mm?	Yes/No
	Test with magnifying glass (e.g. 6x)	..... mm
	resolution diameter	Yes/No
W-N-radial grating:	Is the resolution diameter < 6 mm?	Yes/No
	Test with magnifying glass (e.g. 6x)	..... mm
	resolution diameter	Yes/No
N-Z-radial grating:	Is the resolution diameter < 6 mm?	Yes/No
	Test with magnifying glass (e.g. 6x)	..... mm
	resolution diameter	Yes/No
W-Z-radial grating:	Is the resolution diameter < 6 mm?	Yes/No
	Test with magnifying glass (e.g. 6x)	..... mm
	resolution diameter	Yes/No
<b>Test of 5 visual equidistant L*-grey steps according to picture A2-135-0</b>		
Are the 5 steps on the upper rows distinguishable?		Yes/No
If No: How many steps can be distinguished?		..... Steps
of the given 5 steps:		..... Steps
<b>Test of 16 visual equidistant L*-grey steps according to picture A3-135-0</b>		
Are the 16 steps on the upper rows distinguishable?		Yes/No
If No: How many steps can be distinguished?		..... Steps
of the given 16 steps:		..... Steps

Part 1

OE530-3N-135-1

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

**PDF-File:** http://130.149.60.45/farbmetrik/OE53/OE53L0NP.PDF underline Yes/No

**PS-File:** http://130.149.60.45/farbmetrik/OE53/OE53L0NA.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 OE53L0NP.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 OE53L0NA.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)

.....  
.....  
.....

Part 3

OE530-7N-135-1

OE53: Form A for test chart according to ISO 9241-306; 1MR, DH input:  $rgb \rightarrow rgb^*_d$  setrgbcolor  
Viewing Y contrast  $Y_W:Y_N=88,9:10$ ;  $Y_N$  range 7,5 to <15  
output 135-1:  $g_P=0.62$ ;  $g_N=1.0$

Test for the best visual linearized output of Picture A7-135-0		Yes/No
<b>Output test with the computer display ( ) or the external display ( )</b>		
<b>Test of the Landolt-rings N-W according to picture A4-135-0</b>		
N-W-radial grating:		
Is the recognition frequency of the Landolt-rings > 50% (5 of 8 at least)?		
	background – ring	Yes/No
	0 – 1	Yes/No
	7 – 8	Yes/No
	E – F	Yes/No
	2 – 0	Yes/No
	8 – 6	Yes/No
	F – D	Yes/No
<b>Test of the radial grating under 45° according to picture A5-135-0</b>		
Can equally spaced lines be seen?		
Visual testing: for radial diameter from 15 to 60 lpi		Yes/No
Test with a magnifying glass (e.g. 6x): – from 15 lpi:		to ..... lpi
<b>Test of the radial grating under 90° according to picture A6-135-0</b>		
Can equally spaced lines be seen?		
Visual testing: for radial diameter from 15 to 60 lpi		Yes/No
Test with a magnifying glass (e.g. 6x): – from 15 lpi:		to ..... lpi

Part 2

OE531-3N-135-1

**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)

**PDF file:** http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PDF

**PS file:** http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS

**Picture A7-135-2: 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

*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/OE53/OE53F1P2.PDF

**picture A7-135-2**

underline Yes/No

**PS-File:** http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS

**picture A7-135-2**

or underline Yes/No

**colour measurement and specification for:**

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

If No, please give other parameters: .....

underline Yes/No

**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

If No, please describe other method: .....

underline Yes/No

Part 4

OE531-7N-135-1



<b>Test for the best visual linearized output of Picture A7-136-0</b>		Yes/No
<b>Output test with the computer display ( ) or the external display ( )</b>		
<b>Test of the radial grating according to picture A1-136-0</b>		
N-W-radial grating:	Is the resolution diameter < 6 mm?	Yes/No
	Test with magnifying glass (e.g. 6x)	..... mm
	resolution diameter	Yes/No
W-N-radial grating:	Is the resolution diameter < 6 mm?	Yes/No
	Test with magnifying glass (e.g. 6x)	..... mm
	resolution diameter	Yes/No
N-Z-radial grating:	Is the resolution diameter < 6 mm?	Yes/No
	Test with magnifying glass (e.g. 6x)	..... mm
	resolution diameter	Yes/No
W-Z-radial grating:	Is the resolution diameter < 6 mm?	Yes/No
	Test with magnifying glass (e.g. 6x)	..... mm
	resolution diameter	..... mm
<b>Test of 5 visual equidistant L*-grey steps according to picture A2-136-0</b>		
Are the 5 steps on the upper rows distinguishable?		Yes/No
If No: How many steps can be distinguished?		..... Steps
of the given 5 steps:		..... Steps
<b>Test of 16 visual equidistant L*-grey steps according to picture A3-136-0</b>		
Are the 16 steps on the upper rows distinguishable?		Yes/No
If No: How many steps can be distinguished?		..... Steps
of the given 16 steps:		..... Steps

Part 1 OE530-3N-136-1

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

**PDF-File:** <http://130.149.60.45/farbmetrik/OE53/OE53L0NP.PDF> underline Yes/No

**PS-File:** <http://130.149.60.45/farbmetrik/OE53/OE53L0NA.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 OE53L0NP.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 OE53L0NA.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)

.....

.....

.....

Part 3

OE530-7N-136-1

OE53: Form A for test chart according to ISO 9241-306; 1MR, DH input:  $rgb \rightarrow rgb^*_d$  setrgbcolor  
Viewing  $Y$  contrast  $Y_W:Y_N=88,9:20$ ;  $Y_N$  range 15 to <30  
output 136-1:  $g_P=0.55$ ;  $g_N=1.0$

<b>Test for the best visual linearized output of Picture A7-136-0</b>		Yes/No
<b>Output test with the computer display ( ) or the external display ( )</b>		
<b>Test of the Landolt-rings N-W according to picture A4-136-0</b>		
N-W-radial grating:		
Is the recognition frequency of the Landolt-rings > 50% (5 of 8 at least)?		
	background – ring	Yes/No
	0 – 1	Yes/No
	7 – 8	Yes/No
	E – F	Yes/No
	2 – 0	Yes/No
	8 – 6	Yes/No
	F – D	Yes/No
<b>Test of the radial grating under 45° according to picture A5-136-0</b>		
Can equally spaced lines be seen?		
Visual testing: for radial diameter from 15 to 60 lpi		Yes/No
Test with a magnifying glass (e.g. 6x): – from 15 lpi:		to ..... lpi
<b>Test of the radial grating under 90° according to picture A6-136-0</b>		
Can equally spaced lines be seen?		
Visual testing: for radial diameter from 15 to 60 lpi		Yes/No
Test with a magnifying glass (e.g. 6x): – from 15 lpi:		to ..... lpi

Part 2 OE531-3N-136-1

**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)

**PDF file:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PDF>

**PS file:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS>

**Picture A7-136-2: 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

*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/OE53/OE53F1P2.PDF>

**picture A7-136-2**

underline Yes/No

**PS-File:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS>

**picture A7-136-2**

or underline Yes/No

**colour measurement and specification for:**

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

If No, please give other parameters: .....

underline Yes/No

**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](http://www.ps.bam.de/De17/10L/L17e00NP.PS) and transfer

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

If No, please describe other method: .....

underline Yes/No

Part 4

OE531-7N-136-1

**Test for the best visual linearized output of Picture A7-137-0** Yes/No  
**Output test with the computer display ( ) or the external display ( )**  
**Test of the radial grating according to picture A1-137-0**  
**N-W-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**W-N-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**N-Z-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**W-Z-radial grating:** Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm  
**Test of 5 visual equidistant L\*-grey steps according to picture A2-137-0**  
 Are the 5 steps on the upper rows distinguishable? Yes/No  
 If No: How many steps can be distinguished? of the given 5 steps: ..... Steps  
**Test of 16 visual equidistant L\*-grey steps according to picture A3-137-0**  
 Are the 16 steps on the upper rows distinguishable? Yes/No  
 If No: How many steps can be distinguished? of the given 16 steps: .... Steps

Part 1

OE530-3N-137-1

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

**PDF-File:** <http://130.149.60.45/farbmetrik/OE53/OE53L0NP.PDF> underline Yes/No

**PS-File:** <http://130.149.60.45/farbmetrik/OE53/OE53L0NA.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 OE53L0NP.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 OE53L0NA.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)

Part 3

OE530-7N-137-1

OE53: Form A for test chart according to ISO 9241-306; 1MR, DH input:  $rgb \rightarrow rgb^*_d$  setrgbcolor  
 Viewing Y contrast  $Y_W:Y_N=88,9:40$ ;  $Y_N$  range 30 to <60  
 output 137-1:  $g_P=0.47$ ;  $g_N=1.0$

**Test for the best visual linearized output of Picture A7-137-0** Yes/No  
**Output test with the computer display ( ) or the external display ( )**  
**Test of the Landolt-rings N-W according to picture A4-137-0**  
**N-W-radial grating:**  
 Is the recognition frequency of the Landolt-rings > 50% (5 of 8 at least)?  
 background – ring  
 0 – 1 Yes/No  
 7 – 8 Yes/No  
 E – F Yes/No  
 2 – 0 Yes/No  
 8 – 6 Yes/No  
 F – D Yes/No  
**Test of the radial grating under 45° according to picture A5-137-0**  
 Can equally spaced lines be seen?  
 Visual testing: for radial diameter from 15 to 60 lpi Yes/No  
 Test with a magnifying glass (e.g. 6x): – from 15 lpi: to ..... lpi  
**Test of the radial grating under 90° according to picture A6-137-0**  
 Can equally spaced lines be seen?  
 Visual testing: for radial diameter from 15 to 60 lpi Yes/No  
 Test with a magnifying glass (e.g. 6x): – from 15 lpi: to ..... lpi

Part 2

OE531-3N-137-1

**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)

**PDF file:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PDF>

**PS file:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS>

**Picture A7-137-2: 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/OE53/OE53F1P2.PDF>

**picture A7-137-2**

underline Yes/No

**PS-File:** <http://130.149.60.45/farbmetrik/OE53/OE53F1P2.PS>

**picture A7-137-2**

or underline Yes/No

**colour measurement and specification for:**

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

If No, please give other parameters: .....

underline Yes/No

**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](http://www.ps.bam.de/De17/10L/L17e00NP.PS) and transfer

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

If No, please describe other method: .....

underline Yes/No

Part 4

OE531-7N-137-1