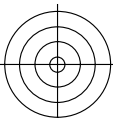
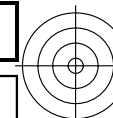


See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1.1, CIELAB

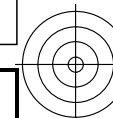


<http://130.149.60.45/~farbmetrik/OE63/OE63L0NA.TXT> /PS; linearized output, Page 2/3
 F: Output Linearization (OL) data OE63/OE63L0NA.TXT /PS in File (F)



TUB registration: 20110801-OE63/OE63L0NA.TXT /PS
 application for output of displays: monitor systems or data projector systems

TUB material: code=rh4ta



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? Steps
 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? Steps
 of the given 16 steps: Steps

Part 1

OE630-3N-130-1

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

PDF-File: <http://130.149.60.45/farbmetrik/OE63/OE63L0NP.PDF> underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE63/OE63L0NA.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 OE63L0NP.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 OE63L0NA.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

OE630-7N-130-1



OE63: Form A for test chart according to ISO 9241-306; 1MR, DEHinput: $rgb(->rgb_{de})$ 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

OE631-3N-130-1

Documentation of assessor colour vision properties for visual assessment

The assessor has normal colour vision according to one test: underline Yes/No
 either according to DIN 6160:1996 with Anomaloskop of Nagel underline Yes/unknown
 or with test charts using colour points according to Ishihara underline Yes/unknown
 or tested with, please specify: 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/OE63/OE63F1P2.PDF> underline Yes/No

PS file: <http://130.149.60.45/farbmetrik/OE63/OE63F1P2.PS> underline Yes/No

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/OE63/OE63F1P2.PDF> underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE63/OE63F1P2.PS> or underline Yes/No

picture A7-130-2
 picture A7-130-2

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

OE631-7N-130-1



Part 1	OE630-3N-131-1
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Part 3	OE630-7N-131-1
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Part 2
OE631-3N-131-1

Part 4
OE631-7N-131-1

Part 1	OE630-3N-132-1
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Part 3	OE630-7N-132-1
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Part 2
OE631-3N-132-1

Part 4
OE631-7N-132-1

Part 1	OE630-3N-133-1
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OE63: Form A for test chart according to ISO 9241-306; 1MR, DEHinput: *rgb (->rgb*_de) setrgbcolor*
Viewing Y contrast $Y_W: Y_N=88,9:2,5$; Y_N range 1,87 to <3,75 output 133-1: $q_P=0,77$; $q_N=1,0$

OE63: Form A for test chart according to ISO 9241-306; 1MR, DEInput: *rgb (->rgb*_de) setrgbcolor*
Viewing Y contrast $Y_W:Y_N=88,9:2,5$; Y_N range 1,87 to <3,75 output 133-1: $q_P=0,77$; $q_N=1,0$

L0NA.PDF /.PS, Page 4/8, FF_LM: $rgb \rightarrow rgb_{de}$; 1MR, DEH

CY5 (36:1): $q_P=0.77$; $q_N=1.0$

<http://130.149.60.45/~farbmetrik/OE63/OE63F1P1.PDF> /PS

Part 2	OE631-3N-133-1
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Part 4

OE631-7N-133-1

OE051 7N-135-1

Part 1

OE630-3N-134-1

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.....

.....

Part 3

OE630-7N-134-1

Part 2

OE631-3N-134-1

Part 4

OE631-7N-134-1

output 134-1: $q_P=0.7$; $q_N=1.0$

Part 1	OE630-3N-135-1
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Part 3 OE630-7N-135-1

Part 2
OE631-3N-135-1

Part 4
OE631-7N-135-1

Part 1	OE630-3N-136-1
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Special remarks:Special remarks, e. g. output of Landscape (L)

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

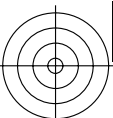
Part 2
OE631-3N-136-1

If No, please describe other method:

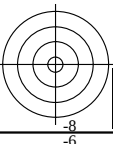
Part 3
OE630-7N-136-1

OE63: Form A for test chart according to ISO 9241-306; 1MR, DEHinput: *rgb (->rgb*_de) setrgbcolor*
Viewing Y contrast $Y_W:Y_N=88,9:20$; Y_N range 15 to <30 output 136-1: $q_P=0.55$; $q_N=1.0$

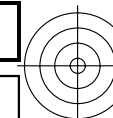
Part 4
OE631-7N-136-1



See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1.1, CIELAB

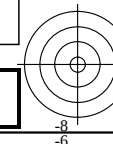


<http://130.149.60.45/~farbmetrik/OE63/OE63L0NA.TXT> /PS; linearized output, Page 2/3
 F: Output Linearization (OL) data OE63/OE63L0NA.TXT /PS in File (F)



TUB registration: 20110801-OE63/OE63L0NA.TXT /PS
 application for output of displays: monitor systems or data projector systems

TUB material: code=rh4ta



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

OE630-3N-137-1

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

PDF-File: <http://130.149.60.45/farbmetrik/OE63/OE63L0NP.PDF> underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE63/OE63L0NA.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 OE63L0NP.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 OE63L0NA.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

OE630-7N-137-1



OE63: Form A for test chart according to ISO 9241-306; 1MR, DEHinput: $rgb(->rgb_{de})$ 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? Yes/No
 Visual testing: for radial diameter from 15 to 60 lpi
 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? Yes/No
 Visual testing: for radial diameter from 15 to 60 lpi
 Test with a magnifying glass (e.g. 6x): - from 15 lpi: to lpi

Part 2

OE631-3N-137-1

Documentation of assessor colour vision properties for visual assessment

The assessor has normal colour vision according to one test: underline Yes/No
 either according to DIN 6160:1996 with Anomaloskop of Nagel underline Yes/unknown
 or with test charts using colour points according to Ishihara underline Yes/unknown
 or tested with, please specify: 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/OE63/OE63F1P2.PDF> underline Yes/No

PS file: <http://130.149.60.45/farbmetrik/OE63/OE63F1P2.PS> underline Yes/No

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/OE63/OE63F1P2.PDF> underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE63/OE63F1P2.PS> or underline Yes/No

picture A7-137-2
 picture A7-137-2

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

OE631-7N-137-1

