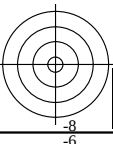
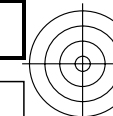


See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

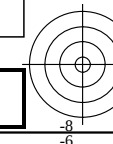


<http://130.149.60.45/~farbmetrik/OE83/OE83L0NA.TXT> /PS; linearized output, Page 11/12
 F: Output Linearization (OL) data OE83/OE83L0NA.TXT /PS in File (F)



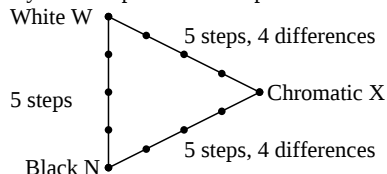
TUB registration: 20110801-OE83/OE83L0NA.TXT /PS
 application for output of displays: monitor systems or data projector systems

TUB material: code=th4ta



Discriminability of 5 step colour series (Yes/No decision)

Layout example: three 5 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 12 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 5step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 5 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../12 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../12 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../12 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../12 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../12 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../12 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../12 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../12 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../12 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../12 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../120 step differences are distinguishable

Part 1

OE830-3N-130-10

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

PDF-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NP.PDF> underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NA.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 OE83L0NP.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 OE83L0NA.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

OE830-7N-130-10

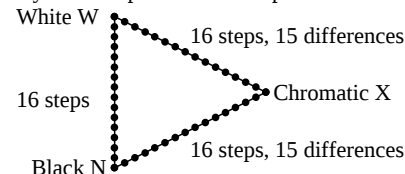


OE83: Form A for test chart 2 according to DIN 33872-2; 1MR, DEH
 Discrimination of colour scales (Yes/No decision)
 Input: $cmy0$ ($\rightarrow cmy0^*_{de}$) setcmyk
 output 130-10: $g_P=1.0$; $g_N=1.0$



Discriminability of 16 step colour series (Yes/No decision)

Layout example: three 16 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 45 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 16step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 16 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../45 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../45 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../45 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../45 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../45 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../45 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../45 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../45 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../45 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../45 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../450 step differences are distinguishable

Part 2

OE831-3N-130-10

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/OE83/OE83F1P2.PDF>

underline Yes/No

PS file: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.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/OE83/OE83F1P2.PDF>

picture A7-130-2

underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.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:

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/De1710L/L17e00NP.PS and transfer

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

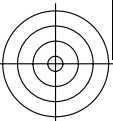
underline Yes/No

If No, please describe other method:

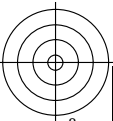
Part 4

OE831-7N-130-10

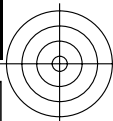




See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

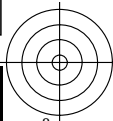


<http://130.149.60.45/~farbmetrik/OE83/OE83L0NA.TXT> /PS; linearized output, Page 11/12
 F: Output Linearization (OL) data OE83/OE83L0NA.TXT /PS in File (F)



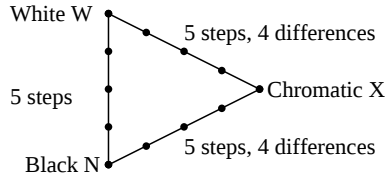
TUB registration: 20110801-OE83/OE83L0NA.TXT /PS
 application for output of displays: monitor systems or data projector systems

TUB material: code=th4ta



Discriminability of 5 step colour series (Yes/No decision)

Layout example: three 5 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 12 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 5step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 5 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../12 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../12 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../12 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../12 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../12 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../12 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../12 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../12 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../12 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../12 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../120 step differences are distinguishable

Part 1

OE830-3N-131-10

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

PDF-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NP.PDF> underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NA.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 OE83L0NP.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 OE83L0NA.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

OE830-7N-131-10

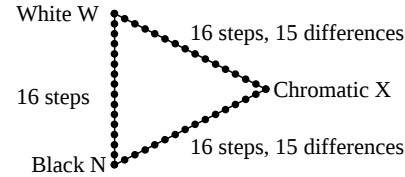


OE83: Form A for test chart 2 according to DIN 33872-2; 1MR, DEH
 Discrimination of colour scales (Yes/No decision)
 Input: $cmy0$ ($\rightarrow cmy0^*_{de}$) setcmyk
 output 130-10: $g_P=1.0$; $g_N=1.08$



Discriminability of 16 step colour series (Yes/No decision)

Layout example: three 16 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 45 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 16step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 16 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../45 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../45 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../45 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../45 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../45 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../45 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../45 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../45 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../45 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../45 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../450 step differences are distinguishable

Part 2

OE831-3N-131-10

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/OE83/OE83F1P2.PDF>

underline Yes/No

PS file: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.PS>

underline Yes/No

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/OE83/OE83F1P2.PDF>

picture A7-131-2

underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.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:

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

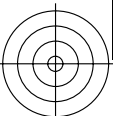
of the PS-file L17e00NP.PS in PDF-file L17e00NP.PDF

underline Yes/No

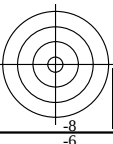
If No, please describe other method:

Part 4

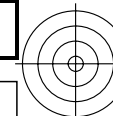
OE831-7N-131-10



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

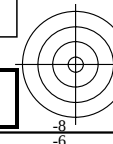


<http://130.149.60.45/~farbmetrik/OE83/OE83L0NA.TXT> /PS; linearized output, Page 11/12
 F: Output Linearization (OL) data OE83/OE83L0NA.TXT /PS in File (F)



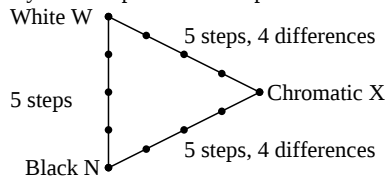
TUB registration: 20110801-OE83/OE83L0NA.TXT /PS
 application for output of displays: monitor systems or data projector systems

TUB material: code=rh4ta



Discriminability of 5 step colour series (Yes/No decision)

Layout example: three 5 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 12 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 5step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 5 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../12 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../12 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../12 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../12 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../12 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../12 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../12 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../12 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../12 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../12 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../120 step differences are distinguishable

Part 1

OE830-3N-132-10

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

PDF-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NP.PDF> underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NA.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 OE83L0NP.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 OE83L0NA.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

OE830-7N-132-10

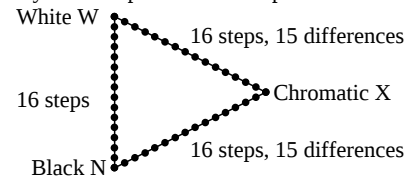


OE83: Form A for test chart 2 according to DIN 33872-2; 1MR, DEH
 Discrimination of colour scales (Yes/No decision)
 output 130-10: $g_P=1.0$; $g_N=1.17$



Discriminability of 16 step colour series (Yes/No decision)

Layout example: three 16 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 45 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 16step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 16 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../45 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../45 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../45 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../45 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../45 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../45 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../45 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../45 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../45 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../45 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../450 step differences are distinguishable

Part 2

OE831-3N-132-10

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/OE83/OE83F1P2.PDF>

underline Yes/No

PS file: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.PS>

underline Yes/No

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/OE83/OE83F1P2.PDF>

picture A7-132-2

underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.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:

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

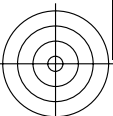
underline Yes/No

If No, please describe other method:

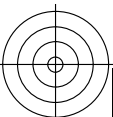
Part 4

OE831-7N-132-10

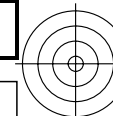




See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

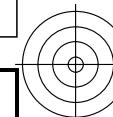


<http://130.149.60.45/~farbmetrik/OE83/OE83L0NA.TXT> /PS; linearized output, Page 11/12
 F: Output Linearization (OL) data OE83/OE83L0NA.TXT /PS in File (F)



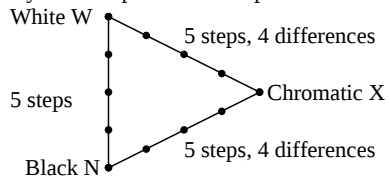
TUB registration: 20110801-OE83/OE83L0NA.TXT /PS
 application for output of displays: monitor systems or data projector systems

TUB material: code=rh44a



Discriminability of 5 step colour series (Yes/No decision)

Layout example: three 5 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 12 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 5step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 5 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../12 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../12 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../12 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../12 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../12 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../12 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../12 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../12 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../12 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../12 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../120 step differences are distinguishable

Part 1

OE830-3N-133-10

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

PDF-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NP.PDF> underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NA.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 OE83L0NP.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 OE83L0NA.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

OE830-7N-133-10

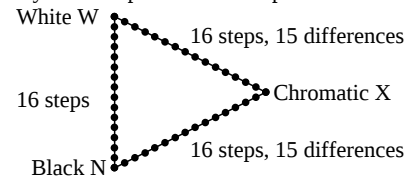


OE83: Form A for test chart 2 according to DIN 33872-2; 1MR, DEH
 Discrimination of colour scales (Yes/No decision)
 input: $cmy0$ ($\rightarrow cmy0^*_{de}$) setcmyk
 output 130-10: $g_P=1.0$; $g_N=1.29$



Discriminability of 16 step colour series (Yes/No decision)

Layout example: three 16 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 45 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 16step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 16 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../45 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../45 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../45 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../45 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../45 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../45 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../45 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../45 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../45 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../45 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../450 step differences are distinguishable

Part 2

OE831-3N-133-10

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/OE83/OE83F1P2.PDF>

underline Yes/No

PS file: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.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/OE83/OE83F1P2.PDF>

picture A7-133-2

underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.PS>

picture A7-133-2

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

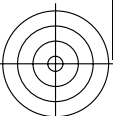
underline Yes/No

If No, please describe other method:

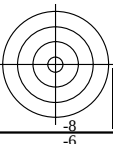
Part 4

OE831-7N-133-10

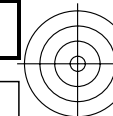




See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

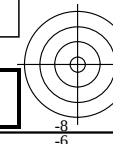


<http://130.149.60.45/~farbmetrik/OE83/OE83L0NA.TXT> /PS; linearized output, Page 11/12
 F: Output Linearization (OL) data OE83/OE83L0NA.TXT /PS in File (F)



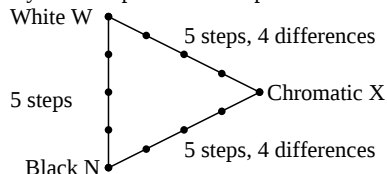
TUB registration: 20110801-OE83/OE83L0NA.TXT /PS
 application for output of displays: monitor systems or data projector systems

TUB material: code=rh44a



Discriminability of 5 step colour series (Yes/No decision)

Layout example: three 5 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 12 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 5step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 5 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../12 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../12 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../12 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../12 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../12 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../12 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../12 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../12 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../12 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../12 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../120 step differences are distinguishable

Part 1

OE830-3N-134-10

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

PDF-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NP.PDF> underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NA.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 OE83L0NP.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 OE83L0NA.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

OE830-7N-134-10

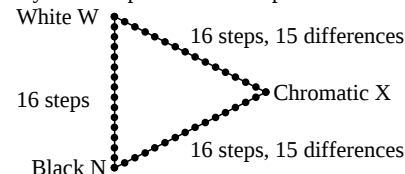


OE83: Form A for test chart 2 according to DIN 33872-2; 1MR, DEH
 Discrimination of colour scales (Yes/No decision)
 Input: $cmy0$ ($\rightarrow cmy0^*_{de}$) setcmyk
 output 130-10: $g_P=1.0$; $g_N=1.42$



Discriminability of 16 step colour series (Yes/No decision)

Layout example: three 16 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 45 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 16step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 16 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../45 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../45 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../45 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../45 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../45 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../45 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../45 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../45 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../45 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../45 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../450 step differences are distinguishable

Part 2

OE831-3N-134-10

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/OE83/OE83F1P2.PDF>

underline Yes/No

PS file: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.PS>

underline Yes/No

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/OE83/OE83F1P2.PDF>

picture A7-134-2

underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.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:

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

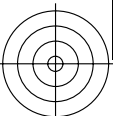
underline Yes/No

If No, please describe other method:

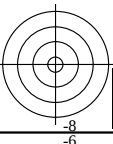
Part 4

OE831-7N-134-10

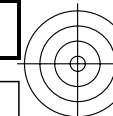




See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

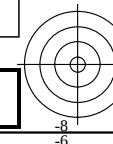


<http://130.149.60.45/~farbmetrik/OE83/OE83L0NA.TXT> /PS; linearized output, Page 11/12
 F: Output Linearization (OL) data OE83/OE83L0NA.TXT /PS in File (F)



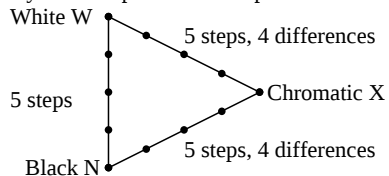
TUB registration: 20110801-OE83/OE83L0NA.TXT /PS
 application for output of displays: monitor systems or data projector systems

TUB material: code=rh4ta



Discriminability of 5 step colour series (Yes/No decision)

Layout example: three 5 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 12 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 5step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 5 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../12 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../12 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../12 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../12 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../12 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../12 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../12 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../12 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../12 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../12 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../120 step differences are distinguishable

Part 1

OE830-3N-135-10

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

PDF-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NP.PDF> underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NA.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 OE83L0NP.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 OE83L0NA.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

OE830-7N-135-10

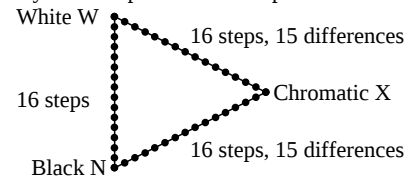


OE83: Form A for test chart 2 according to DIN 33872-2; 1MR, DEH
 Discrimination of colour scales (Yes/No decision)



Discriminability of 16 step colour series (Yes/No decision)

Layout example: three 16 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 45 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 16step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 16 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../45 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../45 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../45 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../45 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../45 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../45 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../45 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../45 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../45 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../45 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../450 step differences are distinguishable

Part 2

OE831-3N-135-10

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/OE83/OE83F1P2.PDF>

underline Yes/No

PS file: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.PS>

underline Yes/No

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 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/OE83/OE83F1P2.PDF>

picture A7-135-2

underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.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:

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

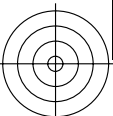
underline Yes/No

If No, please describe other method:

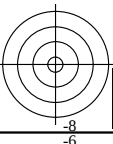
Part 4

OE831-7N-135-10

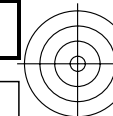




See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

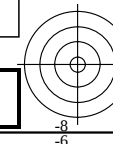


<http://130.149.60.45/~farbmetrik/OE83/OE83L0NA.TXT> /PS; linearized output, Page 11/12
 F: Output Linearization (OL) data OE83/OE83L0NA.TXT /PS in File (F)



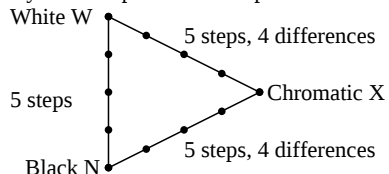
TUB registration: 20110801-OE83/OE83L0NA.TXT /PS
 application for output of displays: monitor systems or data projector systems

TUB material: code=rh4ta



Discriminability of 5 step colour series (Yes/No decision)

Layout example: three 5 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 12 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 5step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 5 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../12 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../12 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../12 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../12 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../12 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../12 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../12 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../12 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../12 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../12 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../120 step differences are distinguishable

Part 1

OE830-3N-136-10

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

PDF-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NP.PDF> underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NA.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 OE83L0NP.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 OE83L0NA.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

OE830-7N-136-10

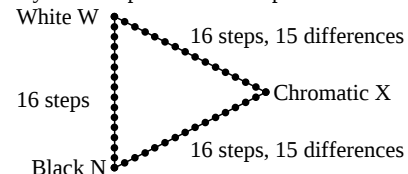


OE83: Form A for test chart 2 according to DIN 33872-2; 1MR, DEH
 Discrimination of colour scales (Yes/No decision)
 output 130-10: $g_P=1.0$; $g_N=1.81$



Discriminability of 16 step colour series (Yes/No decision)

Layout example: three 16 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 45 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 16step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 16 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../45 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../45 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../45 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../45 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../45 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../45 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../45 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../45 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../45 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../45 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../450 step differences are distinguishable

Part 2

OE831-3N-136-10

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/OE83/OE83F1P2.PDF>

underline Yes/No

PS file: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.PS>

underline Yes/No

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 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/OE83/OE83F1P2.PDF>

picture A7-136-2

underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.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:

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

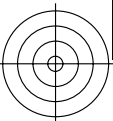
underline Yes/No

If No, please describe other method:

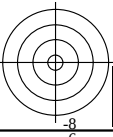
Part 4

OE831-7N-136-10

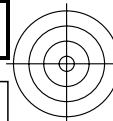




See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

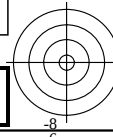


<http://130.149.60.45/~farbmetrik/OE83/OE83L0NA.TXT> /PS; linearized output, Page 11/12
 F: Output Linearization (OL) data OE83/OE83L0NA.TXT /PS in File (F)



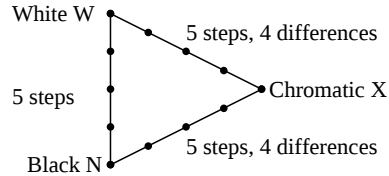
TUB registration: 20110801-OE83/OE83L0NA.TXT /PS
 application for output of displays: monitor systems or data projector systems

TUB material: code=rh44a



Discriminability of 5 step colour series (Yes/No decision)

Layout example: three 5 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 12 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 5step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 5 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../12 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../12 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../12 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../12 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../12 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../12 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../12 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../12 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../12 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../12 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../120 step differences are distinguishable

Part 1

OE830-3N-137-10

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

PDF-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NP.PDF> underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83L0NA.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 OE83L0NP.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 OE83L0NA.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

OE830-7N-137-10

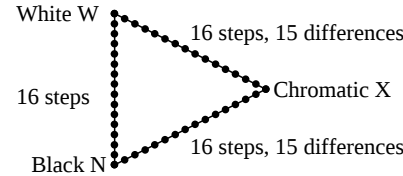


OE83: Form A for test chart 2 according to DIN 33872-2; 1MR, DEH
 Discrimination of colour scales (Yes/No decision)



Discriminability of 16 step colour series (Yes/No decision)

Layout example: three 16 step colour series



There are three basic colours on each page:
 Black N, White W and Chromatic X.
 Ten pages include 10 hue planes
 X = OYLCVM and RJGB.
 There are at maximum 45 distinguishable steps.

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 16step series distinguishable on all pages? underline: Yes/No

only in case of No: Are the three 16 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

- Page 1: Yes/No, if No ../45 step differences are distinguishable of O = Orange Red
 Page 2: Yes/No, if No ../45 step differences are distinguishable of Y = Yellow
 Page 3: Yes/No, if No ../45 step differences are distinguishable of L = Leaf green
 Page 4: Yes/No, if No ../45 step differences are distinguishable of C = Cyan blue
 Page 5: Yes/No, if No ../45 step differences are distinguishable of V = Violett blue
 Page 6: Yes/No, if No ../45 step differences are distinguishable of M = Magenta Red
 Page 7: Yes/No, if No ../45 step differences are distinguishable of R = Elementary Red
 Page 8: Yes/No, if No ../45 step differences are distinguishable of J = Elementary yellow
 Page 9: Yes/No, if No ../45 step differences are distinguishable of G = Elementary Green
 Page 10: Yes/No, if No ../45 step differences are distinguishable of B = Elementary blue

Sum: ../10 Yes-Pages and ../450 step differences are distinguishable

Part 2

OE831-3N-137-10

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/OE83/OE83F1P2.PDF>

underline Yes/No

PS file: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.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/OE83/OE83F1P2.PDF>

picture A7-137-2

underline Yes/No

PS-File: <http://130.149.60.45/farbmetrik/OE83/OE83F1P2.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:

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

OE831-7N-137-10

Input: $cmy0$ ($\rightarrow cmy0^*_{de}$) setcmyk
 output 130-10: $g_P=1.0$; $g_N=2.1$

