



Overview

Product name	TE263 A standard / TE263 A extended
Principle	A test chart to ensure that each and every scan is in focus, correctly exposed, and white balanced. It allows automatic analysis of each scanned page and - in combination with the right software - provides information for the reason if a specific page happens to be out of specs.

Features

GRAY SCALE

Type/s of pattern	Grayscale
Contrast	158:1 (44 dB, 7.31 f-stops)
Patch size [mm]	standard 5.8 x 5.8 extended 7.0 x 7.0
Number of steps	10
Arrangement of steps	Reflection logarithmic (density almost linear)
Color Values	Production tolerance is $\pm 3 \Delta E$ and ΔL^*

Color patches

Type/s of pattern	16 patches <ul style="list-style-type: none"> • RGBCMY • 2 skin tones • 8 pastel colors
Color values	Production tolerance is $\pm 7 \Delta E$ for C1, B1, A1, C2, C7, B7, A7, C8 $\pm 5 \Delta E$ for B2, A2, B8, A8 $\pm 4 \Delta E$ for B5, A5, C9, B9
Patch size [mm]	standard 5.8 x 5.8 extended 7.0 x 7.0



Slanted edges

Type/s of pattern	1 subchart of Slanted edges for standard, 2 for extended				
Resolution	20 LP/mm				
Modulation	L* 34 / OD 1.10 (Edge) L* 63 / OD 0.05 (Background)				
Size of sub-chart [mm]	<table> <tr> <td>standard</td><td>13.0 x 6.0</td></tr> <tr> <td>extended</td><td>13.0 x 6.0</td></tr> </table>	standard	13.0 x 6.0	extended	13.0 x 6.0
standard	13.0 x 6.0				
extended	13.0 x 6.0				
Patch size tolerance	Up to +/- 1.0 mm as they are hand-cut				
Density / Reflection values	Production tolerance is ± 0.03 OD				

Resolution pattern

Type/s of pattern	Lines				
Resolution	4.5 – 6.3 LP/mm				
Size of sub-chart [mm]	<table> <tr> <td>standard</td><td>13.0 x 6.0</td></tr> <tr> <td>extended</td><td>13.0 x 6.0</td></tr> </table>	standard	13.0 x 6.0	extended	13.0 x 6.0
standard	13.0 x 6.0				
extended	13.0 x 6.0				
Patch size tolerance	Up to +/- 1.0 mm as they are hand-cut				

General description hardware

Type	Reflective (A)			
Chart size [W x H x D]		W [mm]	H [mm]	D [mm]
	standard	200.0	21.0	2.1
	extended	245.0	23.0	2.1
Chart size tolerances	Up to +/- 1.0 mm as they are handmade in-house and no edge protection is used			
Material	Print: Specific glossy paper, resolution 3-4 LP/mm Slanted Edges and resolution pattern: Contact copy from chrome mask			
Mounting	Polystyrene			
Edge protection	No			
Service life	Color print 2 years Please check annually if a new reference measurement is necessary for color targets. We also recommend and offer a recalibration of the chart after 3 years of regular use.			
Storage	Dark, dry, and free from harmful gas (e.g., formaldehyde or ozone). 20 °C and 25 °C with a humidity of 60% – 65% and no direct sunlight at any time.			
Scope of delivery	Test chart			

Miscellaneous

Evaluation / Assessment	Supported by iQ-Analyzer Visual appraisal
Reference data iQ-Analyzer-X	Individual reference file provided
Measurement device	X-Rite eXact (reflective charts) https://www.image-engineering.de/content/products/charts/IE_reference_data_accuracy.pdf



Standards	ISO 19264, Metamorfoze Guideline
Related Products	TE262 Universal Test Target (UTT) for archiving
Terms & Conditions	image-engineering.de/terms-and-conditions

Default values

	C1	B1	A1	C2	B2	A2	B5	A5	20	18	17	16	11
L	46.0	53.0	18.0	48.0	49.0	82.0	64.0	32.0	5.0	10.0	15.0	20.0	45
a	64.0	-45.0	24.0	-34.0	56.0	3.0	20.0	24.0	0.0	0.0	0.0	0.0	0.0
b	34.0	38.0	-61.0	-31.0	-14.0	90.0	19.0	32.0	0.0	0.0	0.0	0.0	0.0
D									2.26	1.95	1.72	1.52	0.84

	10	9	3	2	1	C7	B7	A7	C8	B8	A8	C9	B9
L	50.0	55.0	85.0	90.0	95.0	86.0	85.0	85.0	87.0	85.0	86.0	85.0	85.0
a	0.0	0.0	0.0	0.0	0.0	-19.0	13.0	-2.0	10.0	-11.0	13.0	-14.0	4.0
b	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	-9.0	18.0	26.0	7.0	-9.0	-6.0
D	0.73	0.64	0.18	0.12	0.06								