



Overview

Product name	TE264 V2
Principle	Transparent gray scale test chart to determine the OECF, noise, SNR and dynamic range, available in different contrasts

Features

OECF

Type/s of pattern	gray scale, circular arranged (most optical systems are rotationally symmetric so all patches will be affected in the same way by shading)
Contrast	<input type="checkbox"/> 10,000:1 (80 dB, 13 f-stops) <input type="checkbox"/> 100,000:1 (100 dB, 16,5 f-stops) <input type="checkbox"/> 1,000,000:1 (120 dB, 20 f-stops) <input type="checkbox"/> other: _____
Quality	<input type="checkbox"/> Standard version <input type="checkbox"/> X-version
Number of steps	20
Arrangement of steps	according to ISO 14524
Values that can be gathered from analysis	<ul style="list-style-type: none"> • OECF / gamma curve • dynamic range • noise • temporal noise • visual noise • SNR • ISO speed of the camera



General description hardware

Type	transmissive				
Aspect ratio	16:9 (can be used for other aspect ratios without restrictions)				
Chart size [W x H x D]		W [mm]	H [mm]	D [mm]	
	<input type="checkbox"/> D280	360	280	4.6	
	<input type="checkbox"/> other				
Picture size		4:3		16:9	
		W [mm]	H [mm]	W [mm]	H [mm]
	<input type="checkbox"/> D280	280	210	280	157.5
	<input type="checkbox"/> other				
Material	photographic film				
Mounting	black anodized aluminum metal frames				
Edge protection	fabric tape				
Service life	3 years				
Scope of delivery	test chart, stable cardboard envelope to store the chart, air blower, acceptance protocol				

Miscellaneous

Evaluation / Assessment	supported by iQ-Analyzer
Standards	ISO 14524:2009 Methods for measuring opto-electronic conversion functions (OECFs) (TE269A V2 only) ISO 15739:2013 Noise measurements ISO 12232:2006 Determination of exposure index, ISO speed ratings, standard output sensitivity, and recommended exposure index
Accessories	PCR Krochmann Radiolux 111: luminance meter (tele-luminance meters can only be used in combination with a mask that covers the whole chart except the measured patch).



Acceptance protocol

Serial number: 0
 Contrast 10.000 :1
 Date:
 Operator:

Optical density (OD) values gray patches*

Patch Reference OD Measured OD Deviation

1 (white)	0,11		
2	0,18		
3	0,25		
4	0,32		
5	0,40		
6	0,49		
7	0,58		
8	0,67		
9	0,78		
10	0,89		
11	1,02		
12	1,16		
13	1,31		
14	1,49		
15	1,69		
16	1,93		
17	2,23		
18	2,61		
19	3,16		
20 (black)	4,11		
BG	1,46		

* values gathered with diffuse illumination

Signature



Acceptance protocol

Serial number: 0
 Contrast 100.000 :1
 Date:
 Operator:

Optical density (OD) values gray patches*

Patch Reference OD Measured OD Deviation

1 (white)	0,11		
2	0,18		
3	0,25		
4	0,33		
5	0,41		
6	0,50		
7	0,59		
8	0,69		
9	0,80		
10	0,92		
11	1,05		
12	1,20		
13	1,36		
14	1,55		
15	1,77		
16	2,04		
17	2,37		
18	2,82		
19	3,52		
20 (black)	5,11		
BG	1,79		

* values gathered with diffuse illumination

Signature



Acceptance protocol

Serial number: 0
Contrast 1.000.000 :1
Date:
Operator:

Optical density (OD) values gray patches*

Patch Reference OD Measured OD Deviation

Patch	Reference OD	Measured OD	Deviation
1 (white)	0,11		
2	0,18		
3	0,25		
4	0,33		
5	0,41		
6	0,50		
7	0,60		
8	0,70		
9	0,81		
10	0,93		
11	1,07		
12	1,22		
13	1,39		
14	1,58		
15	1,81		
16	2,09		
17	2,45		
18	2,94		
19	3,73		
20 (black)	6,11		
BG	2,13		

* values gathered with diffuse illumination

Signature