

LOW REFLECTIVITY TEST CD-R

For Checking CD Players and CD Drives TCD-R082LMY

1. Purpose of use, Features

TCD-R082LMY is a Test Disc designed for various kinds of confirmation of operation for low reflection CD-R and evaluation, measurement and adjustment of CD Players and Drives etc..

Reflectivity is managed as 56% (*1).

As for Audio characteristics, measurement of Frequency Response, Dynamic Range, S/N Ratio, Channel Separation, De-Emphasis and Tone Control are available to confirm.

Long time access check and Index Search are also available.

2. Specifications *2

- Disc type : Low Reflection CD-R Disc (700Mbytes/ 80min)
- Format : CD-DA
- Recorded time : 1hr. 5min. 29sec.
- Scanning velocity : 1.2 m/sec (for reference)
- Track pitch : 1.5 μm (for reference)
- Push-pull (PP) : 0.08 ~ 0.14
- Outer diameter : 120 ± 0.3 mm
- Center hole diameter : 15.0 +0.1/ -0 mm
- Disc thickness : 1.2 +0.3/ -0.1 mm
- Eccentricity : ≤ 70 μm 0-p
- Radial tilt (β angle) : ≤ ± 0.6 deg.

• Reflectivity (Rtop)

Model name	Reflectivity	CD-R Specifications	Description
TCD-R082LMY	56 ± 3 % with PBS *1	≥ 60 % *3	For testing the minimum value specified in CD-R Spec.

*1 Reflectivity (Rtop) is measured value at user data area (except Index 0) by our standard equipment after recorded once by our standard recorder.

PBS is acronym standing for Polarization Beam Splitter.

*2 Physical Characteristics other than Reflectivity and Push-pull comply with Recordable Compact Disc Systems Part 2 Ver.3.1.

*3 This is the value specified in Recordable Compact Disc System Part 2 Volume 2 Multi-Speed.

3. Content

Track No.	Index	Time		Contents	Channel	Level dB	Emphasis	Purpose
		min	sec					
1	1	3	32	Minuetto	L & R	-	ON	General
2	1	0	56	1kHz Sine wave	L & R	0	OFF	Reference level
3	1	0	56	17Hz Sine wave	L & R	0	OFF	Frequency response THD vs. Frequency
4	1	0	56	127Hz Sine wave	L & R	0	OFF	
5	1	0	56	997Hz Sine wave	L & R	0	OFF	
6	1	0	56	10007Hz Sine wave	L & R	0	OFF	
7	1	0	56	19997Hz Sine wave	L & R	0	OFF	S/N
8	1	0	56	Infinity 0	L & R	-∞	OFF	
9	1	0	56	1kHz Sine wave	L	0	OFF	Channel separation
10	1	0	56	10kHz Sine wave	L	0	OFF	
11	1	0	56	1kHz Sine wave	R	0	OFF	
12	1	0	56	10kHz Sine wave	R	0	OFF	
13	1	0	56	4kHz Sine wave	L & R	-20	ON	De-emphasis error
14	1	0	56	16kHz Sine wave	L & R	-20	ON	Tone control
15	1	0	56	100Hz Sine wave	L & R	-20	OFF	
16	1	0	56	1kHz Sine wave	L & R	-20	OFF	Frequency response
17	1	0	56	10kHz Sine wave	L & R	-20	OFF	Dynamic range
18	1	0	56	997Hz Sine wave	L & R	-59.94	OFF	
19	1	3	31	Clair de Lune	L & R	-	ON	General
20	1	3	19	Ouverture Miniature	L & R	-	OFF	General
21	1~20	8	09	Maiden's Prayer and Fantaisie-Impromptu	L & R	-	ON	Index
22	1	27	13	Blank	L & R	-	OFF	Blank for long time access
23	1	2	27	Marche	L & R	-	OFF	Long time access
TOTAL TIME (Including pause time) 65min 29sec								

Values in this sheet are measured by the equipments ALMEDIO-owned. Appearance and specifications are subject to change without notice.

<Proper handling of the disc>

Do not write on the surface with a pen and others, nor put a sticker on it.

Do not expose the disc to direct sunlight, nor leave it in the place of high temperature and high humidity.

After playing, store the disc in its own case.

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