

SCRATCHES TEST CD

For Checking CD Players and CD Drives TCD-721

1. Purpose of use, Features

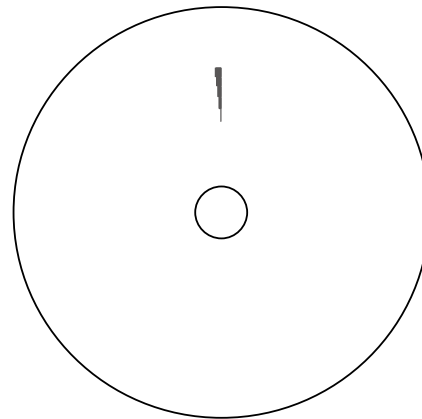
TCD-721 is a CD-DA Scratches Test Discs designed for confirmation of playability for scratches disc, evaluation, measurement and adjustment of CD Players and Drives etc.. It is simulated missing signals on the surface of a disc by Scratches. Scratches are processed as staircase type from 0.4mm to 2.0mm width. It is available to check with respect to each 0.4mm step of 5 steps. In addition we have TCD-721R its Eccentricity is processed $0 \mu m$ as nominal and with 0.4mm to 3.0mm of Scratches width. Refer to TCD-721R Product Introduction.

2. Specifications

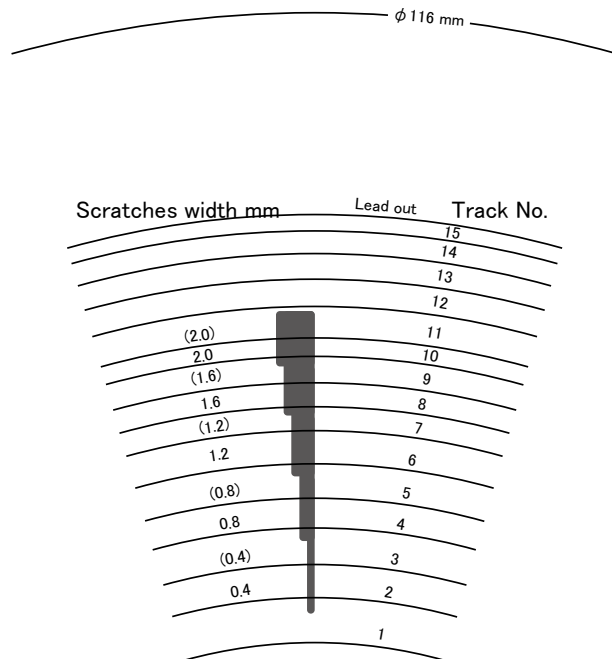
- Disc type : CD-DA Scratches Disc
- Scanning velocity : 1.25 m/sec (for reference)
- Track pitch : $1.6 \mu m$ (for reference)
- Center hole diameter : $15 +0.1/ -0 mm$
- Eccentricity : $< 70 \mu m 0-p$
- Radial tilt (β angle) : $\leq \pm 0.6 deg$
- Scratches Specification

Track No.	Scratches width mm
1	None
2	0.4
3	(0.4)
4	0.8
5	(0.8)
6	1.2
7	(1.2)
8	1.6
9	(1.6)
10	2.0
11	(2.0)
12	None
13	None
14	None
15	None
Lead out	None

note) Scratches width of () in the table and right imaged figure are at the start point of tracks.



Imaged figure of Scratches (Read out side)



Location of Scratches and Tracks

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

3. Content

Track No.	Time		Contents	Radial positions * mm
	min	sec		
1	3	15	Minuetto	24.9
2	2	32	2 ème Gymnopédie	27.3
3	3	02	Ouverture Miniature (Casse-noisette Op. 71a)	29.0
4	2	36	Marche (Casse-noisette Op. 71a)	30.9
5	3	09	Clair de Lune	32.5
6	3	12	Nocturne (Op. 9-2)	34.3
7	2	26	Danse de la Fée-Dragée (Casse-noisette Op. 71a)	36.0
8	2	29	Danse Arabe (Casse-noisette Op. 71a)	37.3
9	2	51	Fantaisie-Impromptu (Op. 66)	38.5
10	2	02	Hungarian Dance No.5	39.9
11	3	38	Prélude < Raindrop >	40.9
12	3	15	Maiden's Prayer	42.5
13	3	08	Valse des Fleurs (Casse-noisette Op. 71a)	43.9
14	2	54	1 ère Gymnopédie	45.3
15	2	06	Danse des Mirlitons (Casse-noisette Op. 71a)	46.5
TOTAL TIME (Including pause time) 43min 5sec				(Lead out : 47.3)

* Radial positions are calculated value.

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<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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