

# THICKNESS TEST CD

## For Checking CD Players and CD Drives SCD-4004/ -4005/ -4006

### 1. Purpose of use, Features

These are Test Discs designed for confirmation of operation for the discs those substrate thickness are thin or thick of CD Players and Drives etc..

SCD-4004/ SCD-4005 are processed as minimum and maximum substrate thickness specified in CD Specifications.

SCD-4006 is processed as maximum thickness of substrate and disc specified in CD Specifications.

### 2. Specifications

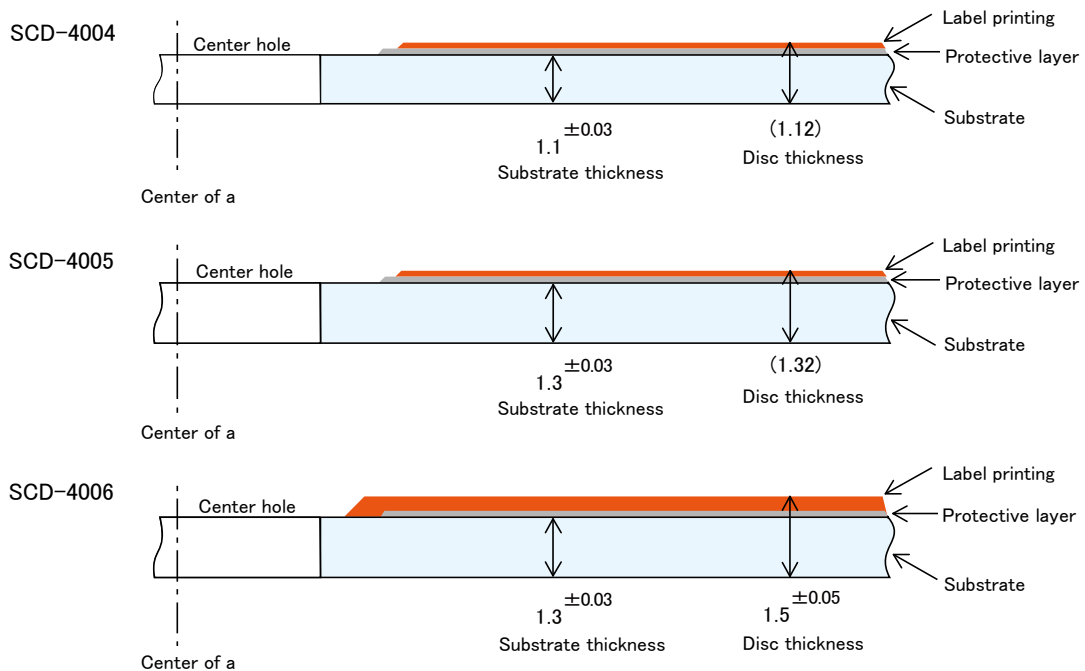
- Disc type : CD-DA
- Recorded time : 67min. 22sec.
- Physical Characteristics \*2
  - Outer diameter :  $120 \pm 0.3$  mm
  - Center hole diameter :  $15.0 +0.1/ -0$  mm
- Scanning velocity : 1.25 m/s (for reference)
- Track pitch :  $1.6 \mu\text{m}$  (for reference)
- Eccentricity :  $\leq 60 \mu\text{m}$  0-p
- Radial tilt ( $\beta$  angle) :  $\leq \pm 0.6$  deg
- Thickness of Discs and Substrate

Model name	Disc thickness mm *1	Substrate thickness mm	Description
SCD-4004	(1.12)	$1.1 \pm 0.03$	For testing minimum Substrate thickness specified in CD Specifications
SCD-4005	(1.32)	$1.3 \pm 0.03$	For testing maximum Substrate thickness specified in CD Specifications
SCD-4006	$1.5 \pm 0.05$	$1.3 \pm 0.03$	For testing maximum thickness of Disc and Substrate specified in CD Specifications

\*1) Disc thickness includes protective layer and label printing layer.

Thickness of protective layer and label printing layer is  $20 \mu\text{m}$  for SCD-4004/ SCD-4005, 0.2mm for SCD-4006.

\*2) Physical characteristics except described above comply with Compact Disc Digital Audio System.



Imaged figure of Disc surface of section

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	
	min	sec		*	mm
1	5	34	Chopin/ Fantaisie Impromptu in C-Sharp Minor, Op.66	24.9	
2	3	02	Grieg/ Piano Concerto in A Minor, Op.16	28.8	
3	2	44	Rimski-Korsakov/ Flight of the Bumblebee	30.8	
4	2	49	Chopin/ Etude in E Major, Op.10-3	32.4	
5	3	19	Debussy/ Clair de Lune	34.1	
6	2	22	Mozart/ Piano Sonata #15 in B-flat Major, K545	35.9	
7	2	01	Tchaikovsky/ Piano Concerto #1 in B-flat Major, Op.23	37.1	
8	3	50	Beethoven/ Piano Sonata #14 in C-Sharp Minor, Op.27-2 "Moonlight"	38.2	
9	2	53	Shumann/ "Traumerei" , from "kinderszenen, Op.15"	40.0	
10	3	14	Liszt/ Liebestraum #3	41.4	
11	3	02	Glinka/ Ouverture from "Rouslan and Ludmila"	42.9	
12	4	31	Tchaikovsky/ Scence 1 from "Swan Lake, Op.20"	44.2	
13	2	31	Tchaikovsky/ "Dances des Cygnes" , from "Swan Lake, Op.20"	46.1	
14	4	11	Mozart/ Ouverture from "Le Nozze di Figaro" , K492	47.1	
15	5	04	Saint-Saens/ "Swan" , from "Carnival of the Animals"	48.8	
16	2	38	Verdi/ Prelude to Act 1 from "La Traviata"	50.7	
17	3	05	Chopin/ Grand Waltz Brilliant in E-flat Major, Op.18	51.7	
18	3	12	Bizet/ "Chanson du Toreador" from "Carmen"	52.8	
19	3	10	Offenbach/ Ouverture from "Orpheus"	54.0	
20	3	15	Weber/ Ouverture from "Der Freischutz"	55.1	
TOTAL TIME (Including pause time) 67min 22sec				(AA : 56.2)	

\* Radial positions are calculated value of design. Actual value may differ.

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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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