

# SCRATCHES TEST CD-R

## For Checking CD Players and CD Drives TCD-R021W

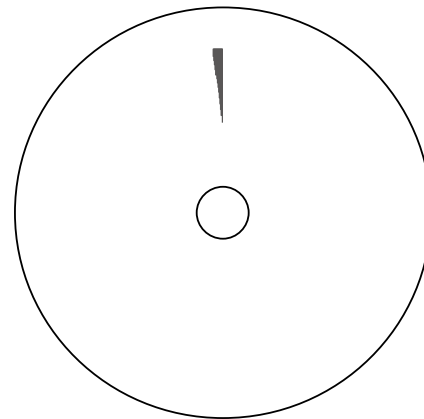
### 1. Purpose of use, Features

TCD-R021W is a CD-R Scratches Test Discs designed for confirmation of playability for scratches, 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 3.0mm width. It is available to check with respect to each 0.2mm step of 14 steps.

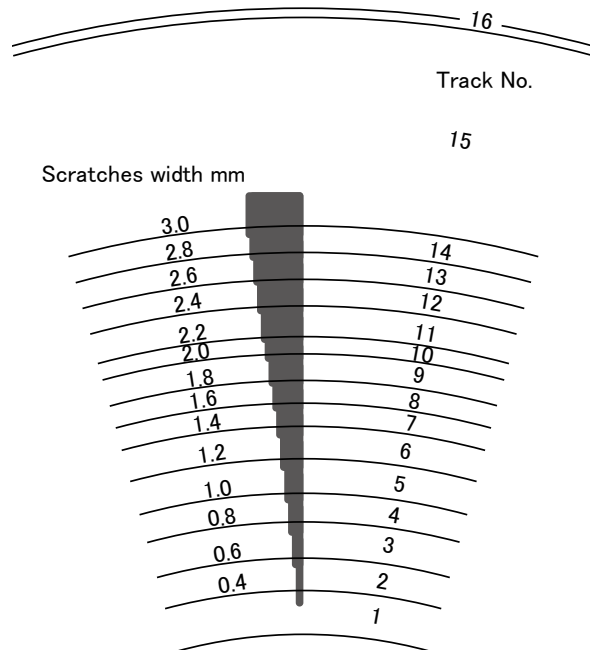
### 2. Specifications

- TCD-R091W is used as material disc. Please refer to TCD-R091W Product Instruction for basic parameters.
- Disc type : CD-R Scratches disc
- Scanning velocity : 1.2 m/sec (for reference)
- Track pitch : 1.6 μm (for reference)
- Center hole diameter : 15 +0.1/ -0 mm
- Eccentricity : ≤ 70 μm 0-p
- Radial tilt (β angle) : ≤ ±0.6 deg
- Specifications of Scratches

Track No.	Scratches width mm
1	None
2	0.4
3	0.6
4	0.8
5	1.0
6	1.2
7	1.4
8	1.6
9	1.8
10	2.0
11	2.2
12	2.4
13	2.6
14	2.8
15	3.0
16	None



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.

<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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