

LOW REFLECTIVITY TEST CD-RW

For Checking CD Players and CD Drives

TCD-W082L/ TCD-W001R (Unrecorded)

1. Purpose of use, Features

TCD-W082L is a Test Disc designed for various kinds of confirmation of operation and playability for low reflection CD-RW of CD Players and Drives etc..

Reflectivity is managed as 15%.

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.

As for TCD-W001R, it is not formatted nor recorded.

2. Specifications

- | | |
|--|--|
| <ul style="list-style-type: none"> • Disc type : Low Reflection CD-RW Disc (650Mbytes/ 74min) • Format : CD-DA • Recorded time : 1hr. 5min. 29sec. • Scanning velocity : 1.2 m/sec (for reference) • Track pitch : 1.6 μm (for reference) | <ul style="list-style-type: none"> • Outer diameter : 120 \pm 0.3 mm • Center hole diameter : 15.0 +0.1/ -0 mm • Disc thickness : 1.2 +0.3/ -0.1 mm • Eccentricity : \leq 70 μm (0-p) • Radial tilt (β angle) : \leq \pm0.6 deg |
|--|--|
- Reflectivity (Rtop)

| Model name | Reflectivity | Specification | Description |
|------------|-------------------------|------------------|---|
| TCD-W082L | 15 \pm 2 % with PBS * | 15% < Rtop < 25% | For testing minimum value specified in CD-RW Specifications |

note1) Reflectivity (Rtop) is measured value at user data area (except Index 0) by our standard equipment after recorded once by our standard recorder.

note2) Physical Characteristics other than Reflectivity comply with Recordable Compact Disc Systems Part 3 Ver.2.

* PBS is acronym standing for Polarization Beam Splitter.

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 | |
| 8 | 1 | 0 | 56 | Infinity 0 | L & R | $-\infty$ | OFF | S/N |
| 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 | |
| 15 | 1 | 0 | 56 | 100Hz Sine wave | L & R | -20 | OFF | Tone control |
| 16 | 1 | 0 | 56 | 1kHz Sine wave | L & R | -20 | OFF | Frequency response |
| 17 | 1 | 0 | 56 | 10kHz Sine wave | L & R | -20 | OFF | |
| 18 | 1 | 0 | 56 | 997Hz Sine wave | L & R | -59.94 | OFF | Dynamic range |
| 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 | | | | | | | | |

note) Please be careful not to erase the content from, nor overwrite TCD-W082L.

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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