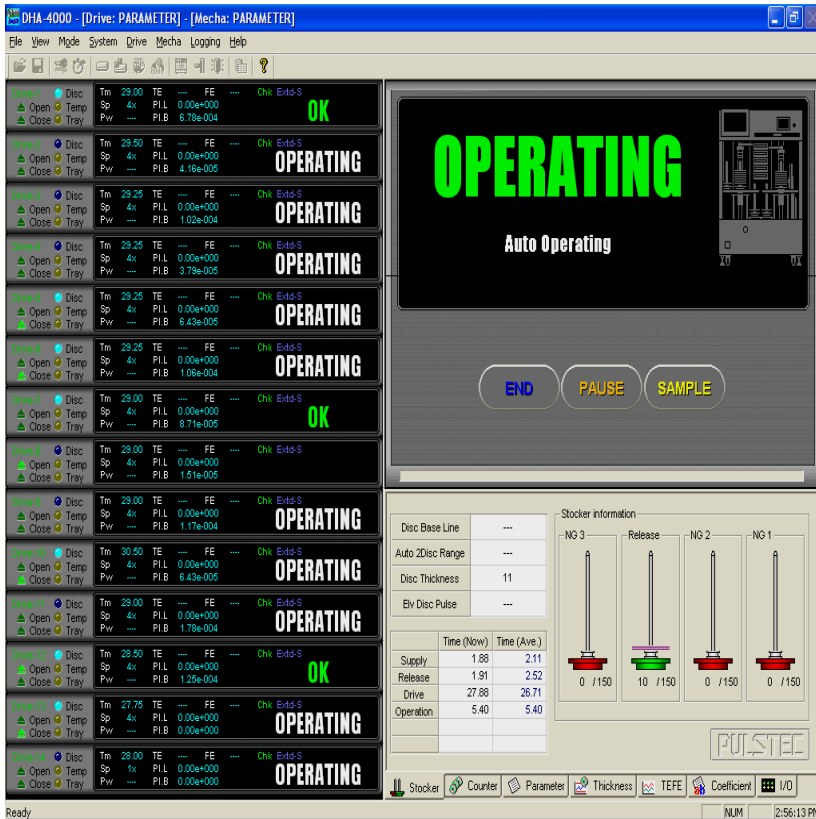


DHA-4000

DVD-R Auto Pre-write Handler



Features

- Reference Drive DVD-R/RW (Pioneer/Plextor)
 - ※ DVR-A10 .. Pioneer
 - ※ DVR-716 .. Plextor
- Pre-write
 - ※ Both DVD – R SL / DL Pre-write are supported
- TE·FE Measurement (Optional)
 - ※ TE/FE OK·NG judgment
- 8 supply/release index and 3 NG stockers
 - ※ 1200 pc Disc Supply Capacity
 - 150[per stocker] × 8[stocker] = 1200pc
 - Non Pre-write/Pre-written or TE/FE failure disc can be easily judged by the location.
- High speed disc supply/release is achieved with 2 handling arms
- 14 Drive can be set (at max)
- Extended Pre-recorded can be supported
 - ※ 16x Disc Pre-write

Various Functions

- Strategy setting
- Record Power can be obtained (by OPC)
- PI error check
- Verify

Basic Specification

Height: 1090mm (W) × 2145mm (H) × 1250mm (D)

*2145mm (H) including Signal Tower

Weight: less than 450kg

- Power Supply : AC100V±10%
- 110,115,200,220,240V are based on change transformer
- Frequency : 50/60 Hz
- Power Consumption : 500W
- Air Pressure : over 0.5MPa
- Air Consumption : below 150L/min

DHA-4000

DVD-R Auto Pre-write Handler

Extended Pre-write

Physical format information

Item	Comment	Hex
0	Book type and Compatible Part version	25h
1	Disc size and Maximum transfer rate of the disc	0Fh
2	Disc structure	02h
3	Recorded density	00h
4	Data area allocation 0	00h
5	Data area allocation 1	03h
6	Data area allocation 2	00h
7	Data area allocation 3	00h
8	Data area allocation 4	00h
9	Data area allocation 5	26h
10	Data area allocation 6	12h

Extended Pre-recorded information

Item	Comment	Hex	ASCII
568	Field ID 6	06h	
569	2K-speed OPC suggested code (Beta value)	09h	
570	2K-speed OPC suggested code (Recording Power)	0Fh	
571	1st byte of 2K-speed Write Strategy code	10h	
572	2nd byte of 2K-speed Write Strategy code	88h	
573	3rd byte of 2K-speed Write Strategy code	78h	
574	4th byte of 2K-speed Write Strategy code	30h	
575	reserved	00h	
576	Field ID 7	07h	
577	5th byte of 2K-speed Write Strategy code	29h	
578	6th byte of 2K-speed Write Strategy code	62h	
579	7th byte of 2K-speed Write Strategy code	10h	
580	8th byte of 2K-speed Write Strategy code	21h	
581	9th byte of 2K-speed Write Strategy code	06h	
582	10th byte of 2K-speed Write Strategy code	00h	
583	reserved	00h	
584	Field ID 8	08h	
585	4X-speed OPC suggested code (Beta value)	05h	
586	4X-speed OPC suggested code (Recording Power)	0Fh	
587	1st byte of 4X-speed Write Strategy code	00h	
588	2nd byte of 4X-speed Write Strategy code	00h	
589	3rd byte of 4X-speed Write Strategy code	07h	
590	4th byte of 4X-speed Write Strategy code	07h	

Write-Strategy

Setup A09 Strategy

Parameter	Value
Strategy Type	Non Multi
Write Power	0.00000T
Top Pulse Width	+0.00000T
Last Pulse Width	+0.03125T
Target Beta	+0.000%
PreSpace	3T
TPLanding	+0.00000T
TpTShft	+3.00000T
TPWidth	+3.00000T
TgMark	3T
LoLShft	+0.00000T
LPTfalling	+0.00000T
LoLWidth	+0.00000T
NextSpace	3T

Pioneer DVR-A10

Timing diagrams showing recording data and write pulse for Pioneer DVR-A10. Parameters include TPLanding, TpTShft, LoLShft, LPTfalling, Top Pulse Width, and Last Pulse Width.

Pre-Write Parameter

Pre-write Control

Media Type: DVD-R | Disc speed: 4x | Auto Strategy

Drive memo: Execute Drive Memo

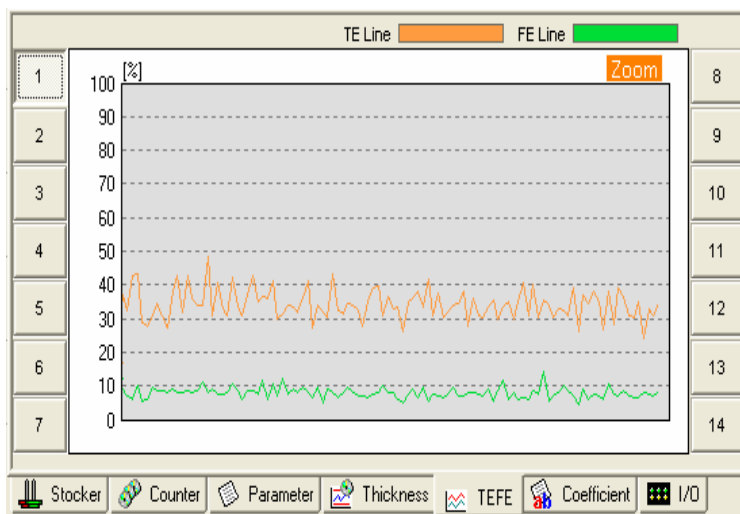
Disc Type: ID Check | Setup Manufacturer ID | Check ID Parameter | Pre-recorded MKB Data

Pre-write condition: Execute Pre-write | OPC | Write | Use write strategy

Check Pre-write area: Execute PI error check | PI error check | Execute PI sampling check | PI sampling check

Check TE/FE Error: Execute TE/FE | TE/FE check | TE/FE sampling check

TE/FE Graph



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