



CE Division

1244 Reamwood Ave., Sunnyvale, CA. 94086 · 408 734 1624 · Telex 171551 Dysan SNTA

Dysan Maxi 48 TPI Diagnostic Diskettes

DISKETTE MODEL NUMBER

- 808-100 Single sided, Single density (26 sectors/128 bytes)
- 808-200 Single sided, Double density (26 sectors/256 bytes)
- 808-300 Double sided, Single density (26 sectors/128 bytes)
- 808-400 Double sided, Double density (26 sectors/256 bytes)

FORMAT

- Side "0" and Side "1"
- Track 0 Index Format and Progressive Offset
- Track 3 Progressive Offset
- Track 5 Timing Track
- Track 10 thru 19 User Area
- Track 35 Alternate Offset (1)
- Track 38 Progressive Offset
- Track 41 Progressive Offset
- Track 44 Alternate Offset (2)
- Track 47 Alternate Offset (3)
- Track 68 Timing Track
- Track 70 Progressive Offset
- Track 73 Progressive Offset
- Track 76 Index Format and Azimuth Rotation

INDEX FORMAT

Special Format used to obtain an index mark:
 Single density - 10 bytes (field occupied with FF)
 Double density - 20 bytes (field occupied with 4E)

PROGRESSIVE OFFSET

Tracks are written with track and sector ID fields on track centerline. Data fields are radially displaced from the track centerline as shown below. Positive values indicate an offset toward the spindle, negative values indicates away from the spindle.

Sector Number	Offset in milli-inches
1	+ 1
2	- 1
3	+ 2
4	- 2
5	+ 3
6	- 3
7	+ 4
8	- 4
9	+ 5
10	- 5
11	+ 6
12	- 6
13	+ 7
14	- 7
15	+ 8
16	- 8
17	+ 9
18	- 9
19	+10
20	-10
21	+11
22	-11
23	+12
24	-12
25	+13
26	-13

TIMING TRACK

This track is used to check the head load timing of the drive. The first sector ID header (#1) occurs 1 ms after photo index and at 1 ms increments thereafter.

USER AREA

This is memory space allotted for user programs.

ALTERNATE OFFSET (1)

All odd sectors are written offset +7 milli-inches.
All even sectors are written offset -7 milli-inches.

ALTERNATE OFFSET (2)

All odd sectors are written offset +8 milli-inches.
All even sectors are written offset -8 milli-inches.

ALTERNATE OFFSET (3)

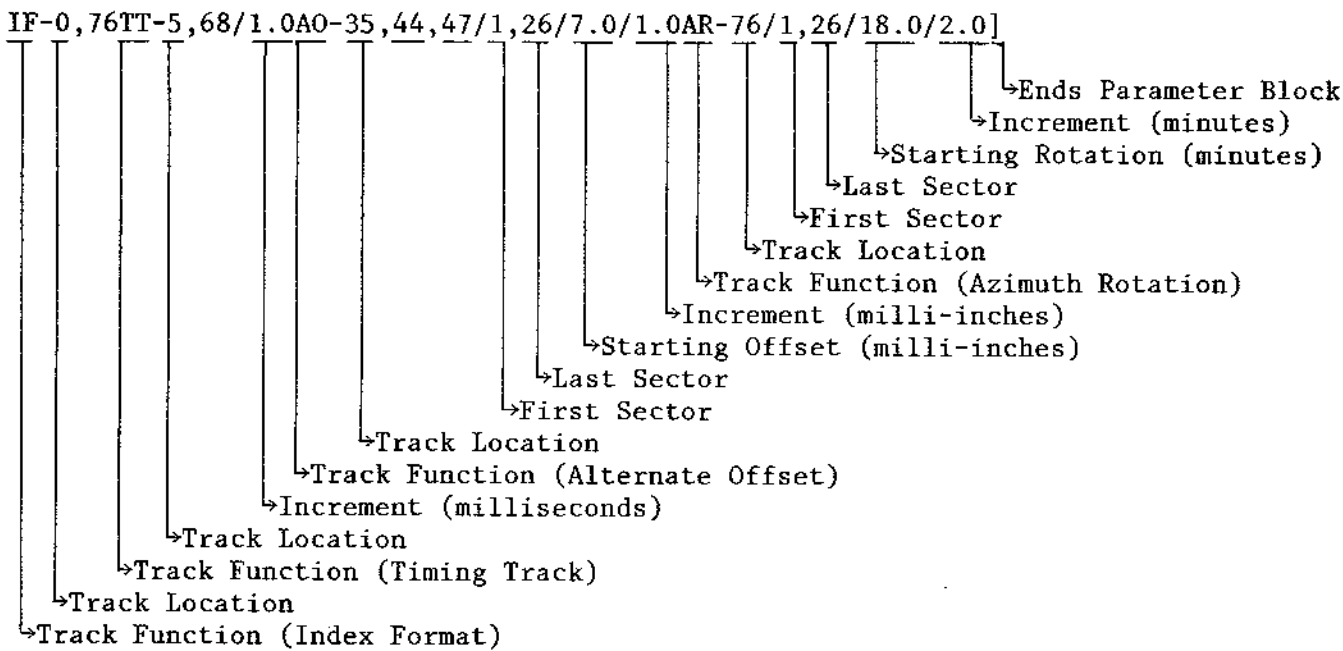
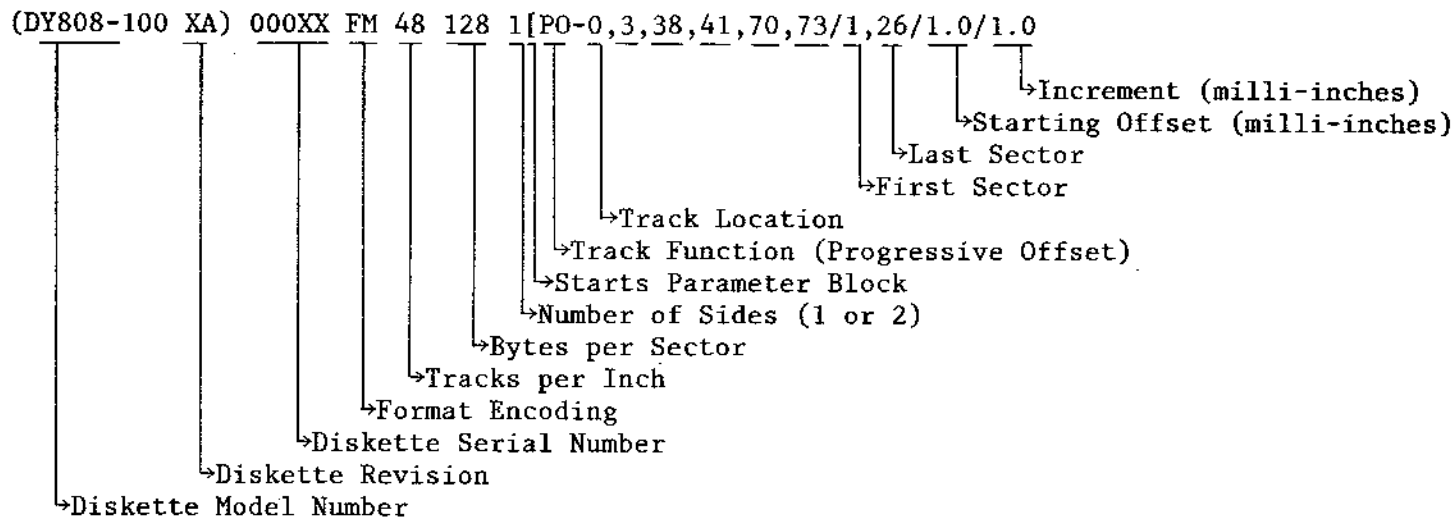
All odd sectors are written offset +9 milli-inches.
All even sectors are written offset -9 milli-inches.

AZIMUTH ROTATION

This track is written on track centerline. Track and sector ID fields are written at zero azimuth. Data fields are written with the head azimuth angle shown below.

Sector Number	Azimuth in Milli-inches
1	+18'
2	-18'
3	+20'
4	-20'
5	+22'
6	-22'
7	+24'
8	-24'
9	+26'
10	-26'
11	+28'
12	-28'
13	+30'
14	-30'
15	+32'
16	-32'
17	+34'
18	-34'
19	+36'
20	-36'
21	+38'
22	-38'
23	+40'
24	-40'
25	+42'
26	-42'

Sectors 1 and 2 of all recorded tracks, except the timing tracks, are recorded with the diskette revision, serial number, part number, format type, tracks per inch, bytes per sector, and number of sides. Also, there is a block identifying track locations and functions along with the range and increment of each track. This information appears as follows:



As shown above in the example, a (/) is an operator that delimits a parameter within a function, and a (,) is a delimiter within the parameter.