Dysan CORPORATION
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DIGITAL DIAGNOSTIC DISKETTES (DDD)
PRODUCT DESCRIPTION
8", ONE AND TWO SIDED, 48 TPI

Note: Software developed for the DDD should be designed to easily accommodate a different combination of range and increments for the offset data fields. Dysan reserves the right to implement such changes which will improve product performance.

MODEL NUMBER	DESCRIPTION
808-100	8", one sided, IBM diskette 1 compatible format, 26 sectors/track, 128 bytes/sector.
808-200	8", one sided, IBM diskette 2D compatible format, 26 sectors/track, 256 bytes/sector.
808-300	8", two sided, IBM diskette 2 compatible format, 26 sectors/track, 128 bytes/sector.
808-400	8", two sided, IBM diskette 2D compatible format, 26 sectors/track, 256 bytes/sector.

RECORDED DATA	DESCRIPTION
Track 00	Recorded on track with standard Track 00 format.
Tracks 3, 5, 36, 42, 71, 73	Track and sector ID fields are recorded on track centerline. Data fields of hexadecimal "E5 for single density and 40 for double density" are radially displaced from track centerline as shown below. Positive and negative values indicate, respectively, offsets towards and away from the spindle.

tk 36

X X

468 469 470 471 472, 473, 474, 475, 476, 477, 478, 479, 480
1/2 3/4 5/6 7/8 9/10 11/12 13/14

400/N

X X X X

0 ~~-5~~ ~~-6~~ ~~-7~~ ~~-8~~ ~~-9~~ ~~-10~~ +5 +6 +7 +8 +9 +10
+5 ~~+6~~ ~~+7~~ ~~+8~~ ~~+9~~ ~~+10~~ -5 -6 -7 -8 -8 -10

tk 3 PSN = 39 40 41 42 43 44 45 46 47 48 49 50 51

~~1,2~~ ~~3,4~~ ~~5,6~~ ~~7,8~~ ~~9,10~~ ~~11,12~~ ~~13,14~~ ~~15,16~~ ~~17,18~~ ~~19,20~~ ~~21,22~~ ~~23,24~~

1/2 3/4 5/6 7/8 9/10 11/12 13/14 15/16 17/18 19/20 21/22 23/24 25/26 SECT NO.

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SECTOR NUMBER	RADIAL OFFSET (MILLINCHES)
1,14	None
2,15	+5
3,16	-5
4,17	+6
5,18	-6
6,19	+7
7,20	-7
8,21	+8
9,22	-8
10,23	+9
11,24	-9
12,25	+10
13,26	-10

RECORDED DATA

Track 76

DESCRIPTION

Track and sector ID fields are recorded on track centerline. Data fields of hexadecimal "E5 for single density and 40 for doulbe density" are written with azimuthal offsets shown below. Positive and negative angles indicate, respectively, clockwise and counterclockwise angles.

SECTOR NUMBER	AZIMUTH OFFSET (MINUTES)
1	+18
2	-18
3	+20
4	-20
5	+22

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SECTOR NUMBER	AZIMUTH OFFSET (MINUTES)
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

SPECIFICATIONS

1. DDD are selected from standard Dysan data diskettes.

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SPECIFICATIONS (cont'd.)

2. DDD amplitude, modulation, dropout extra pulse and dimensional acceptance criteria exceed those of standard Dysan data diskettes.

3. DDD accuracy is optimum when used at 68° ± 2° F, and 50% ± 5% R.H.

4. Typical Absolute Track Placement Accuracy+

Radial	± 300 microinches
Azimuth	± 2 minutes
Timing	± 50 microseconds

Accuracy is limited by the media's flexible nature, not the custom track writer's precision. Accuracy is relative to a Dysan master standard set.

+When measured on a Dysan approved evaluation drive.

5. Relative Track Placement Accuracy+

Radial	± 50 microinches
Azimuth	Not measurable
Timing	± 10 microseconds

These values are for sector to sector and track to track relative accuracy on an individual diskette.

6. Diskette wear will affect the accuracy of test pro-cedures results. Users are advised to periodically check test results using a new DDD.