

Verbatim® 3½" Microdisks



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Single and double sided

Certified 100% error-free at the time of manufacture

The 3½" microdisk represents a significant achievement in the miniaturization of data storage media. And the DataLife Microdisk establishes the standard of excellence in that medium.

Delivering the exceptional accuracy and reliability you expect from Verbatim, the DataLife Microdisk delivers superior performance in the HP 150, the Data General 1, double sided Sony compatible systems and all other systems with 3½" auto-shutter drives.

Smaller truly is better. In total storage capacity, the DataLife Microdisk is the equal of a comparable 5¼" minidisk. Plus, it's smaller, easier to use and significantly more resistant to damage.

Protected in a permanent, non-removable hard plastic case, the DataLife Microdisk is

designed for the way you live and work. You can write directly on the case label without damaging the disk and your data. And, because of its convenient size, you can easily carry one around in pocket or purse. It won't bend, fold or crease.

Data-protecting "auto-shutter". The DataLife Microdisk is designed for use in any 3½" microdisk drive with an "auto-shutter". The auto-shutter is actually a "door" that protects the media from dust, debris and fingerprints. When the microdisk is placed in a drive, the auto-shutter automatically opens for data reading and recording.

Metal hub for maximum accuracy. At the center of a DataLife Microdisk is a long-lasting, metal drive hub that holds the media precisely centered for totally accurate reading

and writing, time after time.

An integral write/protect system. The adjustable "window" in the corner of the DataLife Microdisk works with the write/protect mechanism in the disk drive. Open this window and your data is protected from accidental erasure and over-recording. Close the window and you're free to write on the microdisk. This gives you exceptional flexibility and usability.

Designed to enhance your productivity. Verbatim is a leading world manufacturer of magnetic media for microcomputers. In each one of our products, you'll enjoy the benefits of our many years of experience and knowledge. That's why when choosing a 3½" microdisk, rely on the world's first choice.

General Specifications: DataLife Microdisks are full surface certified for use on 80 track, 135 TPI drives with an auto-shutter feature. The track width is .0045 inches (.115 mm) nominal. The area between tracks is erased. Nominal data recording density on the innermost track is 8718 fci.

Reorder Number	Description	Sectors	Bytes/Sector	Storage Capacity
90096 M	MF 350-01	soft	uninitialized	single sided, double density: 500 KB
90097 M	MF 360-01	soft	uninitialized	double sided, double density: 1 MB

Environment:	OPERATING	STORAGE	SHIPPING
Temperature	50°F to 140°F 10°C to 60°C	40°F to 140°F 4°C to 60°C	-40°F to 140°F -40°C to 60°C
R. H. (non-condensing)	8% to 80%	8% to 90%	8% to 90%
Wet Bulb	≤ 85°F (29.4°C)	≤ 85°F (29.4°C)	≤ 85°F (29.4°C)

Recording Performance: The DataLife Microdisk is intended for use in drives operating at either 300 ± 3 RPM or 600 ± 6 RPM. Actual values in flux transitions are:

flux transitions are:		1f	2f
	300 RPM	125,000 ftps	250,000 ftps
	600 RPM	250,000 ftps	500,000 ftps
Average Signal Amplitude	at track 00, 1f, not more than 130%; at track 79, 2f, not less than 80%		
Resolution	at track 79, greater than 80%		
Overwrite	at track 00, not more than 125% the reference standard		
Modulation	not greater than 110% of average peak-to-peak amplitude at track 00 using 1f and track 79 using 2f		
All recording performance is referenced to Verbatim's Standard Reference Microdisk.			

Media Life: The media shall exceed 3.5 million revolutions with the head loaded normally on a single track. During this period, the average signal amplitude shall not be less than 75% of the original value.

Critical Certification: Every bit, of every byte, of every track is tested and certified to be 100% error free. An error is defined as either a missing bit or extra bit.

Missing Bit: a bit with an amplitude less than
Extra Bit: after erasure, a bit with an amplitude greater than

VERBATIM MICRODISK
50%
20%

Levels referenced to 2f average track amplitude. Allowable errors per microdisk: none.

The above specifications are subject to change without written notice.

 **Verbatim®** sets the standard

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