

MRX V/XL

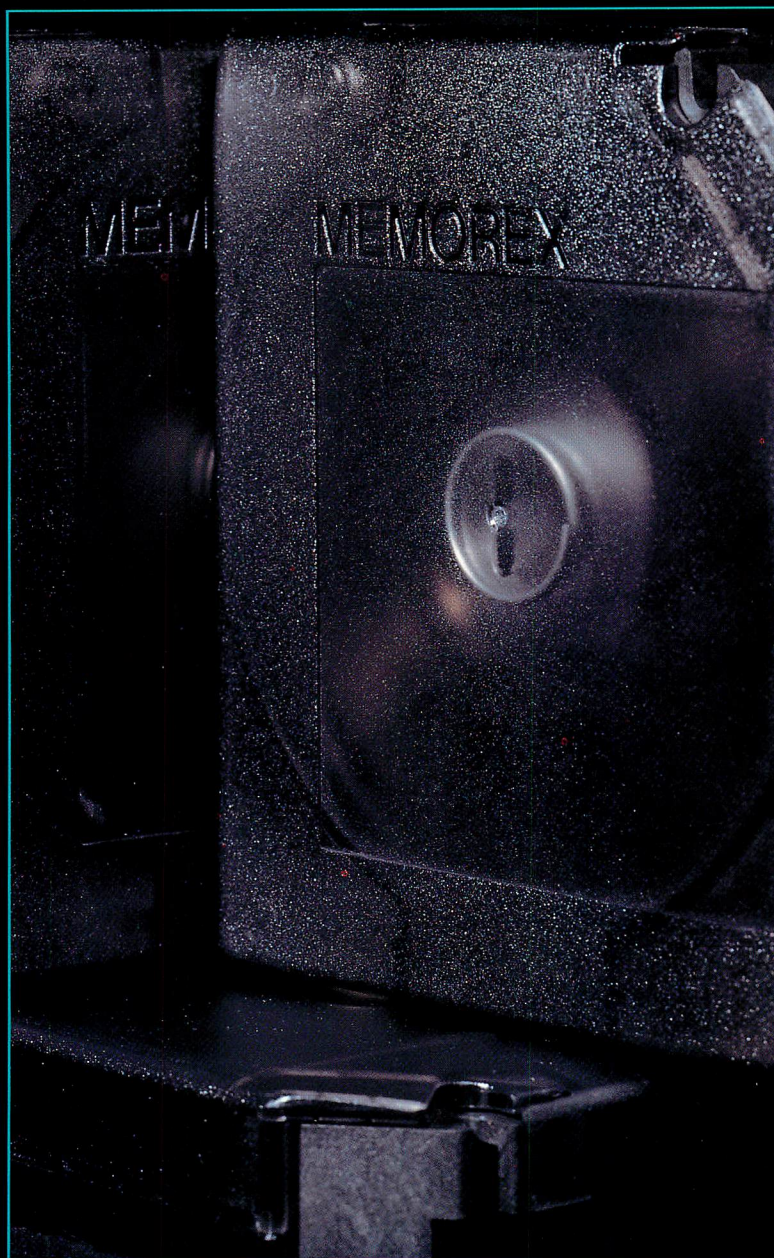
COMPUTER TAPE CARTRIDGE SPECIFICATIONS

INCREASED CAPACITY

Our Memorex chromium dioxide media delivers recording densities that exceed those of standard reel-to-reel tapes. Not only does it have greater data capacity, it also features a longer length **615 foot XL version** for a significant increase in storage and retrieval capabilities (greater than 225 MB at 38,000 cpi).

INCREASED COMMITMENT

Memorex stands behind our MRX V/XL cartridges with a **15-year limited warranty** on all materials and workmanship. So from our rigid polycarbonate shell to our advanced media formulation, you get fifteen years of unequalled performance and value. Guaranteed.



THE QUALITY'S BUILT-IN

MRX V (575') and MRX V XL (615') cartridges deliver outstanding performance and reliable data storage in a durable, space-saving format. Each has passed our demanding quality inspections to assure you of long life and excellent storage and retrieval characteristics. Each is fully compatible with IBM 3480, Memorex 5480 and other compatible tape subsystems.

INCREASED PERFORMANCE

Every one of our Memorex cartridges has been **100% tested** on all 18 tracks at an industry standard 25% error threshold, using IBM 3480 or compatible drives to assure you of the finest in long-lasting performance. The result: zero multitrack dropouts, and 200/250 maximum single track dropouts on the standard and extra long versions. That means zero permanent read errors, zero permanent write errors, and fewer system error correction routines. That's excellence you can count on. Time after time after time.

FUTURE COMPATIBILITY

MRX V and MRX V XL provide the closest IBM technology alternative in the industry. We follow IBM practices and recommendations in every key area of 3480 media design and

manufacture. Our formulation chemistry with its superior chemical binder stability and our signal performance ensure compatibility with future high density recording devices.

THE COMPUTER HISTORY MUSEUM



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MEMOREX®

MRX V/XL

COMPUTER TAPE CARTRIDGE SPECIFICATIONS

Memorex V/XL data cartridges meet or exceed all ANSI, IBM, ISO and ECMA specifications.

Physical Characteristics

Base Film Material: Bi-axially oriented polyethylene terephthalate

Base Film Thickness: 23.4 μ m (0.92 mils) nominal

Total Thickness: Between 25.9 and 33.7 μ m (1.020 and 1.330 mils)

Tape Width: 12.65 mm \pm 0.025 mm (0.4980 \pm 0.0010 inches)

Tape Length: Standard: 175m \pm 3.0m (575' \pm 10')

Long Length: 187m \pm 3.0m (615' \pm 10')

Splices: None

Longitudinal Curvature: 3.8mm maximum (0.150 inches)

Cupping: 0.3mm maximum (0.0118 inches)

Toxicity: Non-Toxic

Tape Abrasivity: 0.056mm maximum (0.0022 inches)

Tracks: 18 Tracks

Magnetic Properties

Magnetic Particle: Chromium Dioxide

Coating Electrical Resistance: 0.1 x 10⁶ to 500 x 10⁶

Coercivity: 41.4 \pm 2.4 kA/m (520 \pm 30 Oe)

Performance Characteristics

Recording Density: 1491 cpmm (37871 cpi)

Narrow-Band Signal-to-Noise Ratio: \geq 30db

Broad-Band Signal-to-Noise Ratio: \geq 36db

Dropout Signal Remaining: 25% S.R.

Average Dropout Rate: <1 per 13x10⁶ Flux Changes

Model: 240DC1W

Length: 575'

Maximum Single Track Errors/Cartridge: 200

Multi-Track Errors/Cartridge: 0

Model: 240GC1W

Length: 615'

Maximum Single Track Errors/Cartridge: 250

Multi-Track Errors/Cartridge: 0

Environmental Characteristics

Temperature

Operation: 16°C to 32°C (61°F to 90°F)*

Storage: 5°C to 32°C (40°F to 90°F)

Transportation

Unrecorded Cartridge:

-23°C to +48°C

(-9°F to +120°F)

Recorded Cartridge: 5°C to 32°C (40°F to 90°F)

Relative Humidity

(No Condensation Permitted)

Operation: 20% to 80%*

Storage: 5% to 80%

Transportation

Unrecorded Cartridge: 5% to 100%

Recorded Cartridge: 5% to 80%

Maximum Wet Bulb

Operation: 25°C (78°F)

Storage: 26°C (80°F)

Transportation: 26°C (80°F)

**If the cartridge has been exposed to conditions outside of the normal operating environments listed above, it should be stabilized under the stated operating conditions for at least 24 hours prior to use.*



MEMOREX[®]
COMPUTER SUPPLIES

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1-800-CALL-MRX

MEMOREX

MEMOREX V/XL COMPUTER TAPE CARTRIDGE WARRANTY

Memorex Corporation has verified the performance of each computer tape cartridge and warrants that it is free from defects in material and workmanship for a period of

FIFTEEN YEARS

from the date of purchase. Memorex Corporation shall not be responsible for damage from neglect, ordinary wear and tear, misuse, improperly adjusted or maintained tape drives or ancillary equipment, or incorrect environments.

Cartridges thought to be defective should be reported to Memorex Corporation. Memorex Corporation will test the cartridge, and if found to be defective, it will be replaced with an equivalent cartridge at no cost to the purchaser.

THE FOREGOING WARRANTY IS IN LIEU OF ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. EXCEPT AS STATED ABOVE, MEMOREX CORPORATION WILL NOT BE LIABLE FOR DAMAGES ARISING OUT OF USE OF THE CARTRIDGE INCLUDING, WITHOUT LIMITATION, INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR BOTH.