

MEMOREX

Quantum® II
The Critical
Application
Computer Tape.



When data reliability needs are critical, Quantum II premium computer tape provides an extra margin of safety. It is designed to meet the needs of today's high-density tape subsystems. Quantum II performance goes far beyond ANSI specifications for both 6250 bpi and 1600 bpi.

Data Integrity

Memorex computer tape provides the assurance that data read back is the same as the original. Time after time... even after one million times. A new oxide formulation improves signal strength and head-to-tape contact to ensure a product with zero read errors and zero write/skips at 6250 bpi. In order to maintain the high Memorex standards, Quantum II is hypercritically tested and undergoes more than 100 quality checks and audits prior to delivery.

Durability

Quantum II functions up to 20 times longer than other brands. It will exceed ANSI specifications even after 1 million passes on user systems, making it the most durable tape available today. Data can also be recovered after longer periods of storage. For additional safety, the SuperReel™ II with its I-beam hub protects the tape and helps prevent edge damage.

25-year Warranty

Memorex warrants that each reel of Quantum II computer tape is free from defects in material and workmanship for a period of 25 years from date of purchase. See reverse for full details.

All this from Memorex; founded as a computer tape manufacturer over 20 years ago, the industry leader today, and continuing to make the investment in R&D and new production facilities to guarantee the future.

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Quantum II Computer Tape Specifications.

Tape and Reel Description

Tape:

Width: 0.498 inches \pm 0.002 inches
(1.26 cm \pm 0.005 cm)

Length: Lengths available (2400', 1200', 600', 200') (731.5m, 365.8m, 182.9m, 61.0m)

Thickness: Per ANSI x3.40-1983
specifications

Reel:

SuperReel II with I-beam hub

Performance

Exceeds ANSI specifications for 6250 bpi
and 1600 bpi dropout performance through
a minimum of 1 million passes.

Zero write/skip errors at 6250 bpi.

Zero read errors.

Zero permanent write errors.

Zero gross errors.

Testing

Every reel full-length hypercritically tested
on all nine tracks.

Physical, Magnetic and Electrical Properties

Per ANSI x3.40-1983 specifications for 6250
bpi and 1600 bpi.

Environmental Characteristics

Operating Temperature: 60° to 90°F
(16° to 32°C)

Operating Humidity: 20 to 80% Relative
Humidity

Optimum Operating Temperature and
Humidity: 65° to 75°F and 40% to 60%
Relative Humidity

Recommended Storage Temperature:
75° \pm 9°F (24° \pm 5°C)

Storage Temperature Range: 40° to 120°F
(5° to 37°C)

Maximum Storage Wet Bulb: 80°F (26°C)
(Tape stored outside the recommended
temperature or humidity environment
should be acclimated prior to use by
keeping it at the proper operating tem-
perature and humidity for 24 hours.)

MEMOREX

A Burroughs Company

Media Products Group

Computer Tape Division
1200 Memorex Drive
Santa Clara, CA 95052

MEMOREX QUANTUM II COMPUTER TAPE WARRANTY

Memorex has verified the performance of each reel of Quantum II Computer Tape and warrants that it is
free from defects in material and workmanship for a period of

TWENTY-FIVE YEARS

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

Tape thought to be defective should be returned, prepaid, to Memorex Corporation, Santa Clara,
California, according to prior written authorization from a sanctioned representative of Memorex
Corporation. Memorex will test the tape, and if found to be defective, it will be replaced with an
equivalent reel of tape at no cost to the purchaser.

If Memorex Corporation determines the Quantum II Computer Tape is not defective or has been dam-
aged through the user's misuse as previously described, the tape will be returned to the user, freight
collect.

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

THE COMPUTER HISTORY MUSEUM



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