

SEISMIC 3600

COMPUTER TAPE SPECIFICATIONS



THE QUALITY YOU DEMAND

Seismic 3600 has been certified at 40% signal remaining for outstanding 6250 cpi performance — the highest threshold in the industry. Additionally, it has been 100% dual density tested for maximum performance at both 1600 and 6250 cpi. And because Seismic 3600 has been so stringently designed and manufactured, you can expect zero read errors, zero gross errors and zero permanent write errors.

SUPERIOR DURABILITY

More than 70 quality checks go into Seismic 3600 before it's delivered to you. Indeed, our process control system is so thorough that it ensures you superior data reliability and trouble-free performance. Another advantage: Seismic 3600 is wound on a SuperReel II hub, whose I-beam construction provides uniform support across the entire tape wind surface, thus reducing flange deformation and tape edge damage.

EXCELLENCE... GUARANTEED

Memorex Seismic 3600 is the most advanced, highest-quality geoseismic tape you can buy. And to prove it, we've backed it with a **limited 15-year warranty** on all defects in materials and workmanship.

PERFORMANCE SECOND TO NONE

Memorex Seismic 3600 has been specifically designed to meet the unique needs of the geoseismic industry. Its long

length (3600 ft.) and superior storage capabilities allow you to capture large blocks of data in a real-time environment.

THE COMPUTER HISTORY MUSEUM



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MEMOREX®

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Physical Properties

Base Film: Oriented Polyethylene Terephthalate
Base Film Thickness: 1.17 mils nominal
Total Thickness: 1.3 mils nominal
E-Value: Min. 0.25" (0.64cm)
Width: 0.498" \pm 0.002" (1.26cm \pm 0.005cm)
Length: Nominal 3600' (1097.3m) between markers
Marker Placement
BOT: 16' \pm 2' (4.88m \pm 0.61m)
EOT: 25' + 5' - 0' (7.62m + 1.62m - 0m)
Splices: None
Creases: None
Toxicity: Non-toxic
Flammability: Self-extinguishing in a still CO₂ atmosphere
Compatibility: Not an inhibitor
Longitudinal Curvature: 0.125" (0.32cm) maximum per 36" (91.4cm)
Yield Strength Min: 7.0 lbs. at 3%
Moment of Inertia: Max. 562 oz. in² (10.3 g . m²)
Layer-to-Layer Adhesion: None
Surface Roughness: 1-4 μ " CLA nominal
Cupping: Less than 0.010" (0.025cm) of 0.25" (0.64cm) length/0.5" (1.27cm) width

Performance Characteristics

Prior to shipment, each reel of tape has been 100% tested to assure minimum system performance as follows:

- zero read errors
- zero permanent write errors
- zero gross errors

Memorex internal test conditions are as follows:

- 6250 cpi tested at 40% signal remaining with respect to NBS SRM-6250
- 1600 cpi tested at 35% signal remaining with respect to NBS SRM-3200

Surface Resistance: (Magnetic Coating): 0.5-500 megohms per square

Signal Output Level Relative to NBS Standards:

- 1600 cpi +25/-10%
- 6250 cpi +/−40%

Ease of Erasure: Less than 4% signal at 6250 cpi

Exclusive Noise Errors: 0

Dynamic Skew: Max 1.1 μ sec at 200 ips (5.08 mps)

Start/Stop Times: Meets all IBM 729, 2400, 3400 requirements

Environmental Characteristics

Operating:

Temperature: 60°-90°F (16°-32°C)

Humidity: 20-80% RH

Optimum Operating Temperature and Humidity: 65°-75°F (18°-24°C) and 40-60% Relative Humidity

Storage: Recorded same as unrecorded except maximum temperature is 90°F (32°C)

Temperature: 40°-120°F (5°-48°C)

Humidity: 20-80% RH

Maximum Wet Bulb: 78°F (26°C)

Recommended Storage

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

(Tape stored outside the recommended environment should be acclimated at the operating conditions for 24 hours prior to use.)



MEMOREX
COMPUTER SUPPLIES

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MEMOREX SEISMIC 3600 COMPUTER TAPE WARRANTY

Memorex has verified the performance of each reel of Seismic 3600 Computer Tape and warrants that it is free from defects in material and workmanship for

FIFTEEN 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.

Tapes thought to be defective should be returned, prepaid, to Memorex Corporation, Santa Clara, California, according to prior written authorization of 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 Seismic 3600 Computer Tape is not defective or has been damaged 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, 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 TAPE INCLUDING, WITHOUT LIMITATION, INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR BOTH.

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