

# MEMOREX

PRICE LIST JANUARY 1969

## MEMOREX QUANTUM – IBM COMPATIBLE

TYPE 27

Tapes listed below include tape and control devices wound on a reinforced hub reel, and packed in a dust-free round plastic container. Specify color-coding. ( $\frac{1}{2}$ " x 2400' optionally available in a Lexan wrap-around at an upcharge of \$1.00 per reel.)

		QUANTITY							
		1-9	10-49	50-99	100-249	250-499	500-999	1000-4999	5000+
1600/800 BPI	$\frac{1}{2}$ " x 1200'		\$15.00				\$14.00		
1600/800 BPI	$\frac{1}{2}$ " x 2400'	\$27.00	\$25.00	\$24.00	\$22.50	\$21.00	\$20.00	\$19.50	\$19.00

Tapes listed below include tape and control devices, wound on a reinforced hub reel and packed in a Memorex tape-seal. Sealed in a poly bag and placed in a shipping carton (standard plastic case not included). Specify color-coding.

		QUANTITY							
		1-9	10-49	50-99	100-249	250-499	500-999	1000-4999	5000+
1600/800 BPI	$\frac{1}{2}$ " x 1200'		\$14.00				\$13.00		
1600/800 BPI	$\frac{1}{2}$ " x 2400'	\$26.00	\$24.00	\$23.00	\$21.50	\$20.00	\$19.00	\$18.50	\$18.00

NOTE: Other convenient lengths available –  $\frac{1}{2}$ " x 225',  $\frac{1}{2}$ " x 400', and  $\frac{1}{2}$ " x 600'.

### TERMS

Net 30 days.

### TRANSPORTATION CHARGES

Prices include transportation charges prepaid to any destination within the 50 states via lowest cost transportation. Title passes from Memorex to customer at point of shipment.

**TAXES** Prices shown in this price list do not include any applicable state or local taxes.

### ASSORTING PRIVILEGES

All Memorex Computer Tapes are assortable for quantity prices.

### DELIVERY

Quantities to 50 reels available from stock. Allow 10 days for larger quantities.

### ORDERS

All orders should be addressed to the nearest Memorex office listed.

## Warranty

Memorex warrants that new magnetic tape purchased in accordance with this price list conforms to and meets the magnetic and electrical specifications for the standard reference provided by the computer manufacturer, and that new magnetic tape purchased in accordance with this price list shall be free of any manufacturing defect, under the normal use and service for which it was designed. Memorex's obligation pursuant to this warranty shall be as follows:

- (1) **DAMAGED TAPE:** There will be no replacement of tape damaged by either: (A) Improper handling by user personnel, (B) machine damage or (C) User non-conformance with standards set forth in the Memorex specification.
- (2) **DEFECTIVE TAPE:** A defective magnetic tape is one (other than damaged tape) which does not meet the Memorex specification.

It is recognized that the use of magnetic tape is under the exclusive control of the user, and, that it is the duty and responsibility of the user to detect promptly and report immediately to Memorex, any tape that does not meet the Memorex specifications. The user will establish reasonable controls and make effective use of available machine and program corrective features, so that defects in the tape will be detected promptly and the necessity for reprocessing data minimized.

## Specifications

- (1) **MATERIALS:** Tape to consist of a base material of Polyester film coated on one side with a strong yet flexible layer of ferro-magnetic material dispersed within a binder.
- (2) **TAPE DIMENSIONS:** Tapes specified in various lengths. Up to and including 1200' end to end lengths tolerance to be plus 20' minus 0'. Greater than a 1200' end to end length tolerance to be plus 50' minus 0'. Width of the tape to be 0.498" with a limit of plus or minus 0.002". Total thickness of all tape to be 0.0019" or 0.00142" with a tolerance of plus or minus 0.0003". Base material thickness of 0.00145" or 0.00097" plus or minus 10%. Longitudinal curvature to be less than  $\frac{3}{16}$ " per 36" of tape.
- (3) **PHYSICAL REQUIREMENTS:** Oxide surface to be free of manufacturing defects. Surface of base material to be free of powder or accumulation of deleterious matter which would cause incorrect operation or necessitate increased servicing of the machines. Tape not to be spliced.

- Yield strength to be a minimum of 9 pounds for 1.5 Mil and a minimum of 6 pounds for 1.0 Mil backing.
  - The above "Tape Dimensions" and "Physical Requirements" are based on measurements made under the following conditions:
    - (A) Tape to be rewound a minimum of three times in succession with 0.51 to 0.66 pounds tension in a room conditioned at 65° to 80° F and 40% to 60% relative humidity.
    - (B) Tape to be kept under these conditions a minimum of 24 hours before tests are made.
  - (4) **MAGNETIC PERFORMANCE:** Magnetic performance to be measured on all 7 or 9 channels of an IBM compatible tape drive.
- Average peak output as referred to in these specifications is interpreted as the average amplitude of the voltage envelope, a minimum of 10,000 pulses, sensed by the playback head operated in contact with the magnetic tape recorded at 1.25 times saturation at 800 BPI or one times saturation at 3200 BPI. The magnetic field required for 90% saturation at 800 BPI shall not exceed 900 oersteds.

## WARRANTY AND SPECIFICATIONS

In lieu of all other warranties, express or implied, Memorex warrants that new magnetic tape purchased in accordance with this price list shall be free of any manufacturing defect, under the normal use and service for which it was designed, for a period of five years from date of shipment from Santa Clara, California. In the event that the user determines that a manufacturing defect exists during this warranty period, he will report and return to Memorex at Santa Clara, California, the tape in question.

Memorex will retest such tape promptly. If it is determined that the tape fails to meet the Memorex specifications, Memorex will replace the tape, reel for reel, on an exchange basis and assume transportation charges (both ways) necessitated by such replacement.

If Memorex determines that the tape either meets the Memorex specifications or has been damaged by the user, or by the user's equipment, the tape will be returned to the user and the user will assume the transportation charges (both ways therefor provided).

Memorex Corporation's only liability for defective tape damages will be as specified above. The warranty expressed herein is in lieu of all other warranties, express or implied, and no other affirmation of fact or promise made by Memorex by word or action shall constitute a warranty. This warranty shall terminate with respect to each reel of tape five years and one day from date of shipment from Santa Clara, California.

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- (5) **STORAGE:** Under storage conditions of 40° to 90° F and 20% to 80% relative humidity, no deterioration of magnetic oxide, binder or base material shall take place, which will prevent the magnetic tape from meeting these specifications.
- (6) **MARKERS:** Photo-sensing markers to be attached to magnetic tape as follows:
  - Photo-sensing marker to be not less than one inch in length. Width of marker to be  $\frac{3}{16}$ " with a limit of plus or minus  $\frac{1}{32}$ ". Marker to consist of a transparent plastic base material with a uniform thickness of 0.0005" with a limit of plus or minus 0.0001". Vaporized aluminum coating to be sandwiched between the base and a thin layer of pressure-sensitive, thermal setting, low cold flow adhesive.
- Markers to be attached to base (uncoated) side of tape with one inch dimension parallel to edge of tape. One marker to end of tape nearest hub of reel. Marker to be not more than  $\frac{1}{32}$ " from track C edge of tape.
- A second marker to be attached 10' with a tolerance of plus 5' or minus 0' from other end of tape. This marker is to be not more than  $\frac{1}{32}$ " from track one (1) edge of tape. Markers not to extend beyond edge of tape. Markers to be firmly attached to tape and free of wrinkles. No adhesive material to extend beyond edge of markers.