

UNISERVO 10 Magnetic Tape Subsystem



The SPERRY UNIVAC UNISERVO® 10 magnetic tape unit offers user convenience, economy and a new design not previously provided in its price range.

This new model is a low profile unit offered on the UTS 700. The tape unit is modular in design with one tape drive per cabinet. It offers an attractive package, in line with the size of the UTS 700 system and allows the attachment of single drives in cabinets using a minimum of floor space.

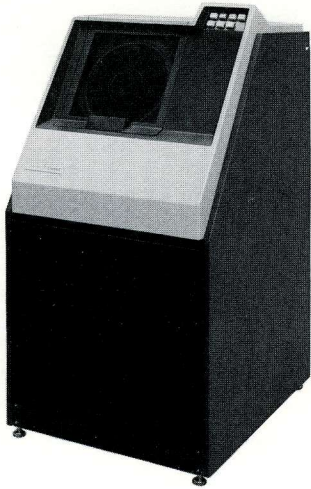
The new low profile tape unit is also available in two designs; a single density Phase Encoded (PE) unit and a dual density Phase Encoded (PE), Non-Return to Zero (NRZI) unit. The UTS 700 is capable of interfacing both the single density PE and the dual density PE/NRZI units. The specifications announced for both models of the tape unit are listed on the reverse side of this sheet.

The low profile UNISERVO 10 operates at 25 ips with a transfer

rate of 40 KB/second PE and 20 KB/second NRZI. It has operator convenience features allowing fast and efficient tape handling, automatic tape loading and wrap around tape cartridge capability. The UTS 700 can interface one or two tape units through Feature 2321 TDMA.

Unit size, floor space, user convenience and performance make this model of the SPERRY UNIVAC UNISERVO 10 extremely attractive to the UTS 700 user.

SPERRY  UNIVAC



UNISERVO 10

COLORS

Standard Colors

- Frame Black
- Side Panel Charcoal Brown
- Top/Rear Warm White
- Front Panel Persimmon Red
- Accent Persimmon Red

The information provided in this bulletin is for reference purposes only. Consult your Sperry Univac representative for installation planning details.

FUNCTIONAL CHARACTERISTICS

Operating Functions

Reads or writes 9-track tape.
 Reads in forward or backward direction.
 Writes in forward direction only.
 Read after write check capability.

Recording Modes/Densities

Phase Encoding (PE) 1600 bpi
 Non-Return to Zero (NRZI) 800 bpi

Tape Speed

25 inches per second
 63.5 cm per second

Transfer Rate

40 KB per second PE
 20 KB per second NRZI

Timings

Non-Stop	24 ms
Start-Stop	17 ms
Reversal	16 ms

Rewind Speed (maximum)

200 inches per second
 508 cm per second
 170 seconds

Interblock Gap

0.60 inches PE/NRZI 9-track
 1.524 cm PE/NRZI 9-track

Tape Media

0.5 inch wide up to 2400 foot length of tape on compatible tape reels up to 10.5 inches in diameter.

PHYSICAL CHARACTERISTICS

Width: 26.2 inches/66.5 cm
 Height: 49.5 inches/125.7 cm
 Depth: 30.5 inches/77.5 cm
 Weight: 350 pounds/158.8 kg

ENVIRONMENTAL CHARACTERISTICS

Shipping Range

Temperature:
 44°F to 144°F
 7°C to 62°C
 Relative Humidity:
 1% to 95%

Working Range

Temperature:
 60°F to 90°F
 16°C to 32°C
 Relative Humidity:
 20% to 80%

Non-Operating Range

Temperature:
 -8°F to 117°F
 -22°C to 47°C
 Relative Humidity:
 1% to 95%

Heat Dissipation

0871 Tape Unit
 4,500 BTU

POWER REQUIREMENTS

Nominal Voltage: 208V

Nominal Frequency: 60HZ¹

0871 Tape Unit 1.2 KVA

¹50HZ models available.
 Voltage conversion 100/120 to and from 200/240 is done via motor & transformer tap change.