

TYPE 5058
UNISERVO 24 7-TRACK
Magnetic Tape Subsystem



The SPERRY 5058 UNISERVO 24 Magnetic Tape Unit is offered in an additional configuration for SPERRY MAPPER 10 Systems. This tape subsystem operates using a 7-track recording format.

A single configuration is available consisting of two UNISERVO 24 Tape Units housed in a cabinet with a control unit and all necessary operating features.

Features include a data converter and an ASCII or FD translator.

The UNISERVO 24 Tape Units operate at three recording densities, in a 7-track NRZI (Non-Return to Zero) mode: 800 bpi, 556 bpi, and 200 bpi. The tape speed is 125 inches per second for data transfer rates of 100 kb, 69.5 kb and 25 kb per second, respectively. Complete specifications are listed on the reverse side of this sheet.

This tape unit offers the operator the convenience of industry standard EASYLOAD II cartridges with automatic loading for fast and efficient tape handling.

Contact your SPERRY representative for additional information.



**Type 5058
Uniservo 24**

COLORS

Standard Colors

Frame..... Black
 Side Panels..... Charcoal Brown
 Top/Read..... Pearl Gray
 Front Panel..... Persimmon
 Accent..... Persimmon

**FUNCTIONAL
CHARACTERISTICS**

Operating Functions

Reads and writes seven track tape. Reads forward and backwards, writes forward only. Read after write check capability.

Recording Modes/Densities

Non-return to Zero (NRZI) 7-track
 800 bpi (314.95 bpcm)
 556 bpi (218.90 bpcm)
 200 bpi (78.74 bpcm)

Tape Speed

UNISERVO 24
 125 ips (317.5 cm/s)

Transfer Rate

Uniservo 24
 @ 800 bpi 100kb/sec
 @ 556 bpi 69.5kb/sec
 @ 200 bpi 25kb/sec

Timings

Uniservo 24
 Non-Stop 4.8 ms
 Start-Stop 7.7 ms
 Reversal 10 ms

Rewind Speed (Max)

240 feet per second
 609.6 cm per second
 120 seconds

Tape Media

0.5 inches (1.27 cm) wide up to
 2400 feet (731.5m) long
 Compatible tape reels up to 10.5
 inches (26.67 cm) in diameter

PHYSICAL CHARACTERISTICS

Dual Tape Unit

Width: 46.0 inches (116.84 cm)
 Height: 63.4 inches (161.04 cm)
 Depth: 34.0 inches (83.36 cm)
 Weight: 1200 lbs (553.32kg)

**ENVIRONMENTAL
CHARACTERISTICS**

Shipping Range

Temperature: -40F to 144F
 -40C to 62C
 Relative Humidity: 1% to 95%

Working Range:

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

Non-Operating Range:

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

Heat dissipation = maximum
 Dual Tape Unit 16,700 BTU/hr

Typical usage will fall between
 6,000 and 12,000 BTU when tape
 is loaded in the loop boxes and
 2,000 BTU when tape is not
 loaded

POWER REQUIREMENTS

Power Consumption:
 Dual Tape Unit 5.0 KVA

Nominal Voltage:
 200-240 VAC

Frequency:
 60 Hz and 50 Hz

