

UNIVAC

DCT 500
DATA
COMMUNICATION
TERMINAL



**UNIVAC DCT 500...QUIET,
VERSATILE, FAST, RUGGED**

The UNIVAC[®]DCT 500 Data Communication Terminal is a low-cost, asynchronous, keyboard printer terminal designed for use in a wide variety of applications. It operates at 2 to 3 times the speed of conventional teletypewriter terminals. Rugged enough and dependable enough for heavy-duty applications in warehouse environments, the UNIVAC DCT 500 is also quiet enough and small enough for use in an office or conference room.



RO . . . KSR . . . ASR

Developed basically for use as a keyboard-send-receive (KSR) device, the DCT 500 consists of a UNIVAC Type 0769 Incremental Printer Mechanism, control unit, and keyboard. For applications requiring receive-only (RO) capability, the terminal also is available without keyboard. The DCT 500 can be converted to an automatic-send-receive (ASR) unit through addition of an optional paper tape reader-punch subsystem. Parity checking is standard in all three versions of the UNIVAC DCT 500.

TRANSMISSION CAPABILITIES

Capable of being operated on a voice-grade telephone toll exchange or on private lines, the DCT 500 transmits and receives data at switch-selectable rates of 10, 15, or 30 characters per second. Transmission mode is either half-duplex or full-duplex. Transmission code is seven-level ASCII. The terminal is capable of printing the basic 63-character ASCII set (plus space).

SIMPLIFIED PRINTING TECHNIQUE

The UNIVAC DCT 500 features a simple, yet sophisticated, printing system consisting of a rotating helical printwheel, an ink-impregnated roller, and a single hammer-actuator. The ink roller can be changed by the operator in a few seconds. This highly advanced technique greatly simplifies the overall mechanical characteristics of the unit. The need for conventional ribbon system, carriage assembly, mechanical decoding, or multiple print hammers and actuators has been eliminated. The result is a quiet, rugged, and dependable terminal that provides crisp, clean, hard copy on six-part forms.

OPTIONAL FEATURES

Keyboard. The keyboard typifies the engineering approach used in the development of the UNIVAC DCT 500. Key contacts are capacitively-coupled, rather than mechanically coupled, ensuring reduced wear, longer operating life and high reliability.

Paper Tape Reader-Punch Subsystem. The paper tape subsystem is a desk or table-top device capable of reading or punching 5 or 6 level binary code or 8 level ASCII code on standard 1-

inch paper tape (7 level code is transmitted). The unit reads and punches up to 30 characters per second in the on-line mode, and up to 50 characters per second in the off-line mode.

Other optional features for the UNIVAC DCT 500 include: Automatic Operation (includes Automatic Answering and Remote Control), Automatic Answering, Master Station, and Print Monitor.

FUNCTIONAL CHARACTERISTICS

Transmission Code
Seven-level ASCII (plus parity)

Transmission Mode
Half-duplex or full-duplex

Transmission Facilities—Voice-grade telephone toll exchange or private line

Transmission Rate
110, 150, or 300 baud (switch selectable)

Transmission Type—Asynchronous

Interface
EIA Standard RS232C/CCITT
Internal Modem

Data Set (RS-232C interface)
Bell 103A, or equivalent
Direct distance dialing (300 baud):
Bell 103A2, or equivalent
Private line (300 baud): Bell 103F, or equivalent

Printing System
Helical printwheel, single print hammer-actuator, ink roller

Helical Type Wheel—Any one of three standard type fonts may be selected, including: ASCII, EBCDIC, A/H (FORTRAN), ECMA/ISO

Ink Roller—Standard color: black (red, green, or violet available)

Printable Characters—63

Print Positions—Up to 132 (adjustable)

Spacing—10 characters per inch
6 lines per inch

Printed Character Size (Typical)
Height: 0.090 to 0.110 inch
Width: 0.060 to 0.085 inch

Forms
Capable of handling six-part continuously-sprocketed forms (or three-part carbonless forms) up to 14 7/8 inches in overall width. Maximum recommended pack thickness—0.0155 inch.

Paper Feed Rate—30 lines per second

Home Paper Rate
12 inches (72 lines) per second

KEYBOARD

The keyboard has four rows of alphanumeric keys and control keys, and a shift key. The full 128-character ASCII set can be generated.

Indicators—Interrupt, clear to send, parity check, shift

Switches
Baud rate select
On line-off line
Master-slave (optional)
Monitor (optional)
Paper tape reader select (optional)
Paper tape punch select (optional)
Keyboard select
Printer select

CONTROL PANEL

Indicators—Form-out print check

Switches—Print test-form feed

ENVIRONMENTAL CHARACTERISTICS

Shipping and Storage Range:
Up to 72 hours
Temperature 40°F. to +140°F.
Humidity 1% to 80%
72 hours to 6 months
Temperature 0°F. to +110°F.
Humidity 1% to 70%

Working Range:
Nominal
Temperature +60°F. to +81°F.
Humidity 20% to 85%
Maximum
Temperature 94°F. at
Humidity 20%

Heat Dissipated
Printer and Control Unit:
6500 BTU/HR
Card reader/punch: 1400 BTU/HR
Paper tape subsystem:
2116 BTU/HR

PHYSICAL CHARACTERISTICS

Width: 27 5/8 inches
Height: 35 5/8 inches
Depth: 41* inches
Weight: Approximately 100 pounds

*Includes table top and paper rack

POWER REQUIREMENTS

Nominal Voltage: 120 VAC
Nominal Frequency: 60 Hz*
Phases and Lines: Single phase,
3 wire
Nominal Load: 0.68 KVA

*50-HZ models available

All specifications subject to change

