



olivetti

TCV 270

Display system for:

- on-line and real-time applications
- the interrogation and updating of centralized files
- remote data entry
- decentralized data control

Compatible with a wide range of computers

Advanced modular design; wide range of peripherals can be connected

Models

TCV 275 stand-alone version for direct connection to the telephone lines.

TCV 277 cluster version for connection to telephone lines by means of concentrator (Branch Scanner).

TCV 270 BASIC SYSTEM

Central unit

LSI components.
Logic control unit for interpreting instructions and logic decisions.

Memory

ROM (Read Only Memory) microprogram memory, containing programs for controlling the machine's basic functions.
RAM (Random Access Memory) for storing the data that are displayed on the screen.

Data input and output units

Model 1 screen: capacity 480 characters, 12 lines of 40 columns.
Model 2 screen: capacity 1920 characters, 24 lines of 80 columns.
One line for displaying the status and



erating conditions of the system.
 cathode ray tube, deflection
 , refresh rate of 42 frames
 second.
 of 64 characters, ISO code
 special character sets for different
 onal standards).
 9 matrix character generation.

boards

ctronic keyboard. Speed up to
 0 key depressions per minute for
 a and numeric data, and
 ctuation marks and special signs.
 and ISO keyboard.

board versions:

- ewriter (66 keys) = KB 270 - T1
- ewriter (78 keys) = KB 270 - T2
- ypunch (66 keys) = KB 270 - KP.

Operational controls

ursor control.
 racter shift.
 al or partial display clear.

Control units and codes

Control units for transmitting
 a in ISO and EBCDIC codes.
 nmission up to 4800 Bauds.
 tipoint, half/full duplex.
 munication procedures:
 C (Binary Synchronous
 munication)
 D asynchronous.
 dem interface CCITT 24/EIA 232 A.

Automatic control functions

screen can be divided into fields
 ned as follows:
 bprotected and unprotected
 hphanumeric and numeric
 splayable and non-displayable
 electable » by light pen,
 d « non-selectable »
 rmal and intensified display.
 omatic field skip.
 ible signal and displayed
 ssages in case of error.

OPTIONS AND PERIPHERALS

ROM microprogram memory for
 controlling peripherals.

ROM microprogram memory for
 complex data formatting, checking
 and processing functions
 (Field Definition Table).

RAM data and program memory,
 which can be extended up to 8 K
 for storing data, control masks and
 application programs.

ROM microprogram memories can be
 produced on request, e.g. check digit,
 algorithm etc.

Set of 96 characters (upper and lower
 case, or special alphabet) for display.

12 function keys for generating
 coded messages which can be
 recognised by the CPU's software,
 and for format selection.

Conversation procedures can be
 programmed for connection to a wide
 range of computers.

LPD 270 - light pen for rapid selection
 of data displayed on the screen.

SV 160 - high speed serial printer:
 165 characters per second.

Field Definition Table functions

- Right-hand justification of numeric
 fields with or without zero filling.
- Check digit generation and
 verification.
- Field length check.
- Range checking.
- Control of data input sequence.
- 3 independent algebraic registers.

BRANCH SCANNER

- Maximum of 32 VDUs per Branch
 Scanner (8 in basic version).
- Maximum of 18 local lines per Branch
 Scanner (2 in basic version).
- Maximum of 4 VDUs per local line.
- Maximum distance of 2000 feet
 (700 metres) between Branch Scanner
 and last terminal in festoon.

Electrical specification

Voltage: 100 - 115 - 127 - 220 - 240 V.
 Single-phase AC, 50 - 60 Hz.
 Consumption: 350 W.

Dimensions of basic unit

Width: 53 cm
 Height: 40 cm
 Depth: 48 cm
 Weight: 35 kg

Ambient conditions

Temperature limits: 10°C - 40°C.
 Humidity limits: 9% - 90%.