# Interactive CRT Data Terminals
## for Computer Time Sharing & Public Information Systems
# Model No. S/R 1000 Series

WORLD WIDE SUPPLIERS OF ELECTRONIC COMMUNICATIONS EQUIPMENT

TECHNIMATIC

**TMC Technical Bulletin**

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**MODEL S/R 1024**

## Features

The S/R 1000 Series consists of a complete line of high reliability low cost CRT data terminals. A wide range of screen data formats, interfaces and configurations (tape-printer-multi display-multi-keyboard) offers the user a choice of options geared to meet his exact needs.

Uniqueness of the S/R 1000 series displays stems from its true modularity in design, in both packaging and electronics. The keyboard and all electronics are housed in a low-profile, light-weight enclosure, while the video display screen consists of a standard TV style monitor which can be located on top of, beside or remote from the keyboard. Any size TV screen can be used with all TMC (Canada) displays enabling the user to select the size screen best suited to his particular operational requirements.

## Basic Specifications

| MODEL NO. | CHARACTERS PER LINE | LINES OF DATA | DATA CAPACITY | EXPANDED DATA CAPACITY |
|---|---|---|---|---|
| S/R 1000 | 40 | 20 | 800 | 1600 |
| S/R 1024 | 80 | 20 | 1600 | 3200 |
| S/R 1053 | 80 | 24 | 1920 | 3840 |

Video Screens available in sizes 9", 11", 12", 14", 16" & 23" diagonal.

**Electronics:** require no adjustments. Utilizing I.C.s throughout with MOS shift register expandable memory and crystal controlled synchronous logic the **S/R 1000 series completely eliminates the need for any adjustments.**

**Editing Capabilities:** consist of a full spectrum of functions covering all editing requirements from simple key entry applications to full text editing.

### Standard Edit Package:
4-Way non destruct cursor, single step and slew
Cursor on/off control
Variable line erase
Screen erase
Character Overwrite
Centre Screen Tab
LF-CR (New Line)
Data Link Cursor Control (LF, RLF, FS, BS, CR, SOH, STX, (home)).

### Expanded Text Edit Package
Character insert/delete
Line insert/delete
Dual intensity video (format data identifier)
Protected data field with automatic tabbing
Character blink.

### Standard Data Manipulation Capability
Page Roll
Page Scroll
Line Transmit
Transmit to end of page
Transmit entire page.

### Expanded DMC
Direct cursor addressing (load 'x' position, then 'y' position)
Reverse roll
Skip character transmission
Skip line transmission

### Dimensions & Power
Size 19" wide, 18" deep, Max height (including 12" video screen) 24"
Weight: 39 lbs.
Power: 115/230 VAC, 50/60 Hz, 50 Watts.

### Interfaces
USASCII code (full 128 set)
RS-232-B or C, as follows:
110, 150, 300 BAUD parity and rate switch selectable
1200-9600 BAUD (high speed serial)
IBM 2701 (BTAM) compatible.

### High-speed Parallel I/O Buss
6, 7, or 8 BIT BYTES, transmission and reception rates up to 500,000 BYTES per second (direct I/O interface) all required request/acknowledge lines provided.

### Standard Mini Computer I/O Interfaces
DEC, PDP8, 9, 10, 11, 15
NOVA 1200 (entire data general series)
Interdata 3, 4 (selector and multiplexer channels) (also for most currently available mini-computers and the IBM 360 series).

### Keyboards
Model 33 TTY style (standard)
Typewriter style with separate numeric cluster (optional).

### Peripheral Devices
External Printer Port (standard feature) RS-232-B ASCII interface at 10, 15 or 30 characters per second for impact or thermal printer.
**TTY Printer Port** 10, 15, 30 characters per second 20ma loop drive for TTY.

### Magnetic Tape Cassette: Model 1400
1200 BAUD RS-232 interface (between CRT and tape unit Standard Philips type cassette)

### Data Link and/or Keyboard Control

| | |
|---|---|
| Fast Forward | Rewind |
| Fast Reverse | Local/Remote |
| Search (0-99) blocks | Read |
| Block erase | Write |

### Remote Screen Display
All TMC displays utilize 60 Hz refresh rate EIA RS 170 Std. video such that any size or style external TV monitor can serve as a remote display. An almost unlimited number of TV monitors can be 'daisy-chained' from the video output line of any TMC display.

S/R 2000 Series Dual Data Displays also available