Model 7C (C designates 9–inch CRT; 12– and 15–inch styles available)

Code Loadable
User Configurable
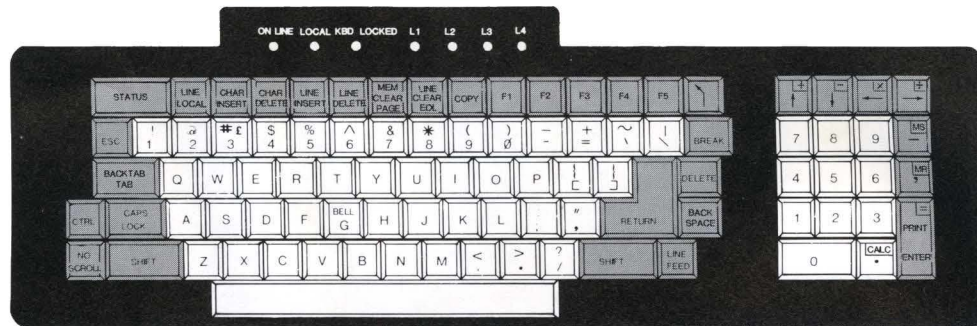## ANSI Compatible
Two Page Editor

The Model 7 stands alone in its ability to be reconfigured, by either the user or host computer, to meet specific operating and performance requirements. Change 64 key codes; load in as many as a hundred alternate control sequences; program 32 variable–length dynamic functions; select 68 operating parameters...and retain it all—even with power off—in non-volatile memory.

Display line drawing, mosaic and scientific notation characters, with a variety of attributes; display four different-size characters; qualify display fields seven ways; use the keypad as a calculator. And expand its two–page display memory to four pages—either volatile or non-volatile. Teleray Model 7—possibly the most versatile terminal ever made.

Features

- Two page (optionally four) user configurable display memory— volatile or non-volatile
- 32 programmable macro keys (64, shifted)—user recodable with any characters or control sequences
- Programmable control sequences— user definable
- 32 programmable functions— 300-character memory
- Display memory (non-volatile) redefinable as additional function memory
- Logical line length (to 255 columns) and logical page length
- Smooth vertical and horizontal scrolling—six or 12 lines per second
- Four displayable character sets— 256 characters
- Oversize characters—double wide, double wide/double high, quad wide/double high
- 25th display line—status, self test, messages, calculations and time

- Dual mode feature selection—full page (all features) or 25th line (individual feature categories)
- Five display attributes—dim, blink, underline, inverse and blank
- Seven area qualifications—alpha only, numeric only, right justify, must enter, must fill, zero fill and protected transmitting
- Protect mode
- Monitor mode
- Split screen—selectable window
- Transmit character, line, window, page, memory and selected area
- Two fully-buffered, bi-directional RS232 ports
- Programmable operator alerts— audible bell sequences, up to 16 different tones/16 tone durations
- Programmable answerback and terminal identifier messages
- Calculator—numeric pad
- Time of day/elapsed time clock
- Screen saver
- Teleray Model 10–compatible

Keyboard

Ergonomics

- Choice of CRT size and screen color
- Wide angle tilt and swivel (C-style)
- Detached sculptured keyboard
- Contoured, matte finish keys; deepdish F and J keys; dimpled 5 key (keypad)

- Audible keyclick, selectable
- Optional snap-on palmrest
- Selectable cursor — any displayable character, blinking or steady
- Musical operator alerts

Specifications

COMMUNICATIONS

- Interface — EIA RS232C
- Protocol — serial, asynchronous
- Duplex — half/full
- Input buffer — 256 characters
- ANSI X3.64 — compatible
- ASCII character code
- Data transfer — 50 to 19,200 bps
- Parity — even, odd, mark, space or none

DISPLAY

- Type — 9" green CRT (C style)
            12" white CRT (M and N styles)
            15" green CRT (NN style)
- Presentation — light characters on dark background; inverse, programmable
- Format — 24 lines x 80 columns, plus 25th information line
- Refresh rate — 50/60 Hz
- Character formation — variable matrix with descenders, in 8 x 10 dot field, plus contiguous graphics
- Displayable characters — 128 ASCII, 64 mosaic graphics, 64 line graphics and scientific notation, plus U.K.

KEYBOARD

- Style — typewriter, 75 keys, plus 18-key numeric pad
- Switches — contact type
- Rollover — N key
- Auto repeat — 15/30 cps
- LEDs — three status, plus four user definable

POWER

- 115 VAC, 50/60 Hz
- 35 watts; 120 BTUs per hour

ENVIRONMENTAL

- Operating temperature — 45 to 115°F (7 to 46°C)
- Storage temperature — -40 to 149°F (-40 to 65°C)
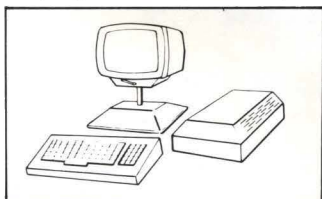- Relative humidity — 10 to 90%, non-condensing

OPTIONS

- Two additional pages (four total) volatile display, or
- Four pages (total) non-volatile display
- Current loop (plus RS232) interface
- Composite video output (15.9 KHz horizontal scan rate)
- 230/115 VAC, 50/60 Hz, power
- CRT color — 12" green or amber
                    15" amber
- Keyboard palmrest (except Style M)
- Desk clamp display mount (Style C)

Styles

C
(9" green CRT, standard)
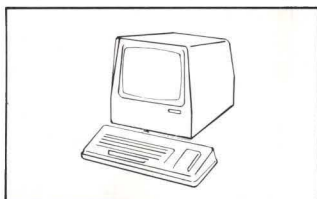

Weight: 23 lbs (10.4 kg)
Size —
Display:	15 h x 9 w x 10 d (381 x 229 x 254 mm)
Logic/ Power:	4¼ h x 12⅛ w x 12½ d (108 x 308 x 316 mm)
Keyboard:	2⅝ h x 18½ w x 8 d (67 x 470 x 203 mm)

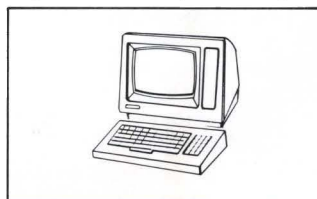Optional desk clamp display

M
(12" white CRT, standard)

Weight: 36 lbs (16 kg)
Size —
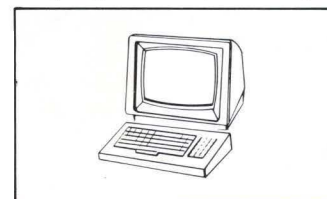|	
Display:	13¾ h x 13¼ w x 17 d (349 x 337 x 432 mm)
Keyboard:	3¼ h x 18¾ w x 7 d (83 x 476 x 178 mm)

N
(12" white CRT, standard)

Weight: 30 lbs (13.6 kg)
Size —
Display:	15 h x 17 w x 17 d (381 x 432 x 432 mm)
Optional Tilt Base:	+1½ h (38 mm)
Keyboard:	2⅝ h x 18½ w x 8 d (67 x 470 x 203 mm)

NN
(15" green CRT, standard)

Weight: 39 lbs (18 kg)
Size —
Display:	15 h x 17 w x 17 d (381 x 432 x 432 mm)
Optional Tilt Base:	+1½ h (38 mm)
Keyboard:	2⅝ h x 18½ w x 8 d (67 x 470 x 203 mm)