

# Series 630

DATA-SCREEN® Terminals

## Models 631/632

Smart, ergonomically designed, CRT video display terminal that provides maximum flexibility to meet today's and tomorrow's OEM/end user requirements.



**TEC, Incorporated**

"The first independent commercial CRT terminal manufacturer"

### The Series 630 DATA-SCREEN® Terminal

The TEC Series 630 DATA-SCREEN Terminal is a low cost state-of-the-art, smart video display terminal ergonomically designed with the OEM in mind.

The Series 630 has many standard features to complement your system. Some of these are the detached keyboard with reliable reed switch technology, non-glare screen, full editing capabilities, user programmable auxiliary I/O port, horizontal split screen, six user defined function keys, and upper/lower case characters. (See additional highlights on back page.)

The compact size, attractive appearance, and the numerous functional capabilities make the Series 630 an excellent choice for almost any terminal application. The standard typewriter keyboard and switch selectable interface features allow the operator to quickly become an expert in communicating with the most popular computers.

### Ergonomic Features/Options

Since the terminal is the man/machine interface, it is important that it be comfortable and easy to use and still be attractive, thereby increasing productivity and accuracy as well as enhancing your overall system. The following is a listing of the ergonomic features/options which the Series 630 offers:

- Tilt/Swivel display base
- Non-glare screen
- Green or amber display (optional)
- Detached keyboard
- Compact lightweight with pleasing aesthetics
- Adjustable key click
- Adjustable brightness/intensity/inverse video
- Regulatory body approvals (optional)

### Other Options

TEC offers an array of options to make the 630 Series even more attractive to you. A 95 character graphic set, composite video output and additional pages of memory are just some of the options. (Additional options shown on back page.)

### Models 631 and 632

The Model 631 is for applications requiring 115 VAC/60 Hz power. The Model 632 features export power compatibility (230 V AC/50 Hz with line lock), as well as a complete selection of TEC standard international character sets.

TEC  
Decades  
of Support



**OEMs Please Note! The terminal including keyboard can be customized to meet your exact requirements.**

Series 630-C Video Display Terminal offers its magnetic stripe card reader/writer keyboard to protect your confidential computer files thru error-free computer authorization.



### Quality

Quality and reliability are designed in by using components of the best quality, sophisticated assembly techniques, extensive computerized testing, and strict inspection guidelines. In the event that repair or adjustment becomes necessary, the modular design using the TEC "drop-in" monitor makes service a snap.

Every TEC DATA-SCREEN Terminal goes through a rigorous test and burn-in procedure, starting with the testing and thermal shocking of the integrated circuits at incoming inspection. All major subassemblies are inspected, tested and adjusted prior to being assembled into a unit. Thereafter, the completed machine is tested while it undergoes 7 days of burn-in at 50°C. Our testing is one of the most elaborate in the industry, with a bank of test computers and a staff of full-time programming and testing personnel. All of this is done to help your TEC terminal to operate correctly right from the start.

### Service

For our domestic customers, TEC offers timely turnaround factory repair of either a complete machine or any subassembly. On call maintenance is available.

For our international customers, TEC uses a network of distributors in major industrial areas of the world, many of which offer service facilities. Contact the Sales or Service Department in Tucson, Arizona, USA for the name of the distributor in your area.

TEC's standard warranty is for 90 days (parts and labor). A special extended warranty can be tailored to meet your needs.



## Series 630 Highlights

### Physical

#### Size

- Terminal: 16"W x 13½"H x 15½"D (40.5 cm W x 34.0 cm H x 39.5 cm D)
- Standard keyboard: 16"W x 2½"H x 6¾"D (40.5 cm W x 6.5 cm H x 17.0 cm D)
- Extended keyboard: 19¾"W x 2½"H x 6¾"D (50.0 cm W x 6.5 cm H x 17.0 cm D)

#### Weight

- Terminal: 33 lbs. (15.0 Kg)
- Standard keyboard: 4½ lbs. (2.0 Kg)
- Extended keyboard: 5¼ lbs. (2.5 Kg)

### Display Characteristics

- 12" (30.4 cm) diagonal P-4 phosphor tube with non-glare (anti-reflect) screen
- 25 lines of 80 characters (2000 characters (screen) formed in a 6 x 8 dot matrix (in an 8 x 10 field). 96 displayable ASCII codes (including SPACE) which means display of upper and lower case characters is standard
- Raster scan character generation
- Blinking block cursor with software controlled display/non-display of cursor

### Keyboard

- Reed switch keyboard for greater reliability
- Typematic (auto repeating) after 0.75 second
- Typewriter layout with 81 keys
- Separate cursor control and edit cluster
- Six function keys—capable of generating 16 two character code sequences
- Software controlled keyboard lock/unlock
- Local, remote, TTY lock, break, enter control keys
- Detached keyboard
- Adjustable keyboard click

### Interface

- 8 data transfer rates from 110 baud through 9600 baud
- 10 or 11 bit serial, asynchronous ASCII data EIA RS-232-C
- Half or full duplex
- Odd, even, or mark parity
- Conversational
- Line transmit
- Page transmit
- Partial page transmit
- Protected fields with transmit of unprotected data only or all data
- X-on/X-off feature

### General Operating Features

- Model 631—60 Hz 100, 115, or 230 VAC
- Model 632—50 Hz 100, 115, or 230 VAC (with line lock)
- Cursor up, down, left, right, home, return, load and read, Off/On
- Tab set, clear; forward/back/auto tab, columnar tab
- Full editing: Insert/delete character/line, erase to end of line/page, clear screen, clear memory, software controlled erase to spaces/ NULS, Blink, reduce intensity, inverse video, non-destructive underline, protected fields, blank
- Selectable auto line feed on carriage return
- Page or roll-up operation
- Scrolling with additional pages of memory (see options)
- Auxiliary port user programmable for:
  - 1) Display print with independent baud rate control, status, reporting capability, and separate print key or
  - 2) Auxiliary output at CPU baud rate or
  - 3) Auxiliary output transparent to screen at CPU baud rate
- User programmable horizontal split screen
- Diagnostic loop back test and fill screen test
- End of line bell

### Options

- Additional pages of memory (to a total of 2 or 4 pages, or even more)
- Non-glare green or amber display
- Function key programming
- Line lock (standard on model 632)
- Composite video
- Current loop I/O
- 95 character graphic set
- Regulatory body listing—CSA, UL, VDE, FTZ
- Tilt-swivel base
- Selected TEC Standard International Character Sets
- 15 Key numeric pad
- Rack mount
- Modifications to meet your requirements



### Corporate Headquarters and Manufacturing Facility



TEC, Incorporated, the first independent commercial CRT terminal manufacturer and a leading manufacturer of switches, Data • Panels®, indicators and readouts, has been in business since 1958. TEC has been a leader in the design and manufacture of state-of-the-art computer peripheral equipment since 1966. It has and will continue to be the goal of TEC to provide its customers with the highest quality, and most reliable equipment available in its price range.

### DISTRIBUTORS IN MOST INDUSTRIALIZED COUNTRIES

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Printed in U.S.A.

## TEC, Incorporated

Corporate Headquarters  
2727 N. Fairview Ave. P.O. Box 5646  
Tucson, Arizona USA 85703  
(602) 792-2230 • TWX 910-952-1377  
Telex 16-5540

### SALES OFFICES IN THE FOLLOWING LOCATIONS

- BOSTON (617) 879-6886
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