

# TransTerm 4C Data Terminal



WALL-MOUNT



TABLETOP



## A COMPACT TERMINAL WITH LARGE CAPACITY DISPLAY

### Overview

The *TransTerm 4C*, while sharing the basic platform of the *TransTerm 5*, boasts of an expanded set of capabilities which fit a larger variety of applications than its less equipped brother can handle. For applications such as database inquiry/retrieval, WIP scheduling and tracking, inventory and job cost control, the *TransTerm 4C* delivers high reliability and low overall cost of ownership to a broad range of uses.

### Features

Constructed of reinforced aluminum and hardened ABS plastic, the *TransTerm 4C* is built to withstand the rough handling in harsh workshop and warehouse environments where less durable units eventually fail.

The hermetically sealed membrane keyboard resists corrosion, and is unaffected by grease, and most chemicals and solvents. Its 24 full-size alpha-numeric keys allow for a wide range of user input. The keyboard can be used to enter information that mixes alpha-numeric characters such as, account numbers, customer names, and part numbers. In addition, the eight function keys can be programmed to perform specific multi-step actions in a single keystroke.

The 8-line by 40-character LC display has ample capacity for computer generated dialogue as well as for operator entered data to be simultaneously displayed. Via software commands,

the display format can be changed on-the-fly to present variable font sizes.

The standard RS-232 communications interface provides the means to directly connect the *TransTerm 4C* to most computer systems. Plus, the optional RS-422 TNET interface allows up to 250 terminals to be connected on a common network into a central network controller which then hooks to the host computer via an RS-232 communications port. Also available, is an off-the-shelf data collection program for a WINTEL type computer which can shorten implementation time

### Operation

The *TransTerm 4C* can operate in one of three modes: (1) TTY Mode; (2) BLOCK SEND Mode; (3) TNET Multidrop Mode. In TTY and BLOCK SEND modes, ASCII data received by the *TransTerm 4C* is placed on the display at the cursor position. The cursor moves from left to right and from the top to bottom. In the TTY mode, keyboarded data is transmitted as it is keyed. In the BLOCK SEND mode and in the TNET multi-drop mode, keyed data is locally placed on the display and transmitted only after the ENTER key is pressed. In the TNET mode, the *TransTerm 4C* must be selected with its address in order to receive and process data or send ENTERed data. In all three modes, the *TransTerm 4C* recognizes the various ASCII control codes and numerous ESCape sequence commands.



# TT4C Features

## Display

Super-twist Liquid Crystal Technology: 8-lines of 40 columns with 93 displayable ASCII characters (upper case, lower case, numerics and special symbols) in a 5 x 7 dot matrix font. Character size .179" high by .124" wide (4.55mm x 3.15mm). Blinking cursor symbol and variable contrast control from SETUP Mode or via ESCape command from software. Option EL backlight available.

## Keyboard

The keyboard consists of twenty-four (4 columns x 6 rows) hermetically sealed membrane key switches with 0.750 inch center-to-center spacing. Key travel of .006"-.008" typical with an audible "Keyclick" feedback. Actuating force of 4-8 ounces and a rated life of 10MM cycles per switch. The alphanumeric keypad supports 0-9 numerals and eight function keys (F1-F8). Shift keys (S1 & S2) are used for entering upper case alpha and sixteen special symbols. The ESCape key and HEX mode are also shifted entries.

## Serial Port

Used for communication with the host computer directly or using the TNET Network Controller. Data is transferred as serial ASCII characters. The serial receiver has a 100 byte buffer and recognizes the XON/XOFF protocol. The terminal has a standard DB25F RS-232 connector.

## Options

### Bar-code Decoding Option

This adds the electronics and a panel mounted connector to the *TransTerm 4C* for interfacing a digital bar code wand or any laser or CCD scanner which produces signals compatible therewith. The decoding option will autodiscriminate Code 39, Extended Code 39, UPC-A, UPC-E, EAN-8 EAN-13, CODABAR, I2of5, and Code 128. Each of these symbologies can be enabled/disabled under SETUP or program control. The bar code port has a 5-pin DIN connector.

### Magnetic Stripe Card Reader (MSCR) Interface Option

This adds the electronics to decode the raw data from the MR-211 manual swipe reader which can read the magnetically recorded information found on Track 2 of a standard ABA credit card (F2F coherent phase encoding per ANSI X4.16). The MSCR interface reads the 40 digit numeric data record off the card as it passes through the read station, decodes the data, and then processes it the same as if it had been key-entered from the keyboard. The MSCR interface normally connects to the MR-211 reader with a six inch cable.

### Auxiliary Serial Port Option

This option adds a second serial communication port to the *TransTerm 4C* which is controllable with ESCape commands from the computer. The auxiliary serial port might typically be used to output data to a serial printer or to input data from a scale, etc.

### Pulse Output Option

This option gives the *TransTerm 4C* the capability to generate a programmed pulse output under remote control via ESCape commands sent from the computer. This option could be used to actuate a door strike or to pen a cash drawer, etc..

### Counter Input

This option allows the *TransTerm 4C* to count and calculate closures of an external dry contact switch input. The count value

can be interrogated and reset remotely by ESCape commands sent from the computer. This option could be used to monitor run-time or to count machine cycles.

## Accessories



1. CCD 81T Handheld CCD Scanner
2. SL1003I Barcode Slot (ID Badge) Reader
3. MR211 Magnetic Stripe Card Reader
4. WA5100 Wand
5. Wand Holder (910219)
6. Tilt Bracket
7. QS6000 Handheld Laser Barcode Scanner
8. WA3800 (Bar code Image Scanner)

## Specifications

### Construction

Aluminum and ABS plastic parts.

### Dimensions

Desktop Enclosure (Std) 5.75"H x 6.9"W x 1.75"D (143mm x 175mm x 44mm);  
Wall Mount Enclosure 9.25"H x 8.5"W x 2.0"D (235mm x 216mm x 51mm)

### Weight

Desktop Unit (STD) 1.9lbs (.87Kg);  
Wall Mount (Optional) 2.5lbs (1.1kg)

### Operating Environment

Temperature: 0 to 60°C (32 to 120°F)  
Humidity: 5% to 95% non-condensing

### Storage Environment

Temperature: 30° to 70°C (-4° to 158°F)  
Humidity: 0% to 100%

### Power Consumption

Standard TT4C: 85ma  
With Display Backlight: +40ma  
With RS422 TNET opt: +45ma

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