



## **TRANSTERM 7C PORTABLE DATA COLLECTOR**

**THE TRANSTERM 7C** is a hand-held portable battery powered data collector. This general purpose device is suitable for inventory tracking, work in process tracking, order entry, and remote data collection. The unit is built to withstand harsh environments and handling. The keypad is unaffected by most chemicals and solvents and the large keys are easy to press even with gloved fingers. The 32 character display is suitable for operator prompting and displaying operator entered data.

### **OPERATION**

1. The TransTerm "PROMPTS" the operator to enter data (sends instructions for data entry to the display).
2. The operator inputs alphanumeric data via the keypad or using the optional barcode scanner.
3. The data is displayed and optionally Validated (a validation file and/or string can be downloaded to the TransTerm).
4. The TIME and/or DATE can be optionally appended to each entry or to each sequence of prompts.
5. The data is stored in memory (The "Arrow" keys can be used to review and/or edit the data in memory).
6. The data is later uploaded to a host computer (either directly connected RS-232 or remotely connected through an external modem).

### **SELECTABLE FEATURES**

- o Up to 20 user defined PROMPT messages can be downloaded to the TransTerm using menu driven PC software.
- o The Validation for each prompt can be user defined and downloaded with menu driven PC software (Validation is optional).
- o The data upload can be initiated from either the host computer or from the TransTerm.
- o Eight Function Keys (F1-F8) can be programmed to hold 1 to 12 characters each (displayable ASCII characters or Control Codes).
- o Each TransTerm can be configured with a unique address (to independently upload from multiple units).

### **THE DISPLAY**

- o Super Twist nematic Liquid Crystal technology with 2 lines of 16 character positions (5 x 7 dot matrix font 0.189" high x 0.118" wide).
- o Supports 96 ASCII characters (uppercase, lowercase, numerics, plus 32 special characters) with a blinking box cursor symbol.

### **THE KEYBOARD**

- o 32-key (4x8) hermetically sealed membrane keypad with 0.750" wide x 0.562" center-to-center spacing and Key-click for audible feedback.
- o A WINDOWED polycarbonate overlay allows a printed key legend to be inserted between the keyboard and overlay to label the keys.
- o Keyswitch travel: 0.006" - 0.008", Typical with actuating force: 4-8 ounces (Rated life: 10,000,000 cycles per switch element).
- o The keypad supports 8 function keys (F1-F8), numerics (0-9) and Alphas (A-Z) (A/N key is used to toggle from Numeric to Alpha key entry).
- o Other keys include; ENTER, CLEAR, SPACE, DELETE, STATUS (memory, battery & time) and SETUP (configuration & data transmission).

**THE MEMORY** - The standard TransTerm 7C holds 128K bytes of collected data, Optional memory sizes include; 256K, 384K, 512K, 640K, 768K, 896K, 1024K and 1152K. The memory is protected by a 3V lithium battery (5 year rated life).

### **BATTERY POWER**

The TransTerm comes with four AA size Ni-Cad batteries and a battery charger. Typical battery life is 10 to 20 hours with a full charge (varies with options). The battery charger connects to a standard 110VAC outlet, and plugs into the side of the TransTerm.

## THE SERIAL PORT

- o EIA RS-232C compatible with Serial asynchronous full duplex ASCII coding.
- o The TransTerm recognizes both hardware and software handshaking (XON/XOFF).
- o Data format: 1 start bit, 7 or 8 data bits, Optional parity (even, odd, mark, space or none) and 1 stop bit.
- o The TransTerm supports eight baud rates: 110, 150, 300, 1200, 2400, 4800, 9600, 19.2K

## OPTIONS

- o The BARCODE interface is a Hewlett Packard wand interface (5 pin DIN) to connect a wand/pen, handheld laser, CCD scanner or barcode card reader. Nine different symbologies are supported: Code 39, Extended Code 39, UPC, EAN/JAN, Code 128, Codabar and Interleave 2 of 5.
- o The TOUCH MEMORY interface reads Touch-key ID tags in place of the barcode reader. These small metal micro-cans provide a more durable alternative to bar coded badges (micro-cans are typically attached to a key chain).
- o The DISPLAY BACKLIGHT option illuminates the display for viewing the TransTerm in the dark.
- o CUSTOM OVERLAYS can be provided for high volume re-sellers with special needs (OEM applications).
- o The optional PROTECTIVE CARRYING CASE has a loop to hang the unit from a belt and a holster for the barcode wand.

**UTILITY SOFTWARE** is available for uploading, downloading and terminal configuration. The TT7CUP Utility Program interfaces the TransTerm with an IBM PC/AT or compatible computer using COM1 or COM2. Contact ComputerWise for more information on interfacing and application implementation.

## CASE

- o Two piece injection molded ABS.

## POWER

- o Terminal consumption: 30 milliamps typical. Various options will add to the power consumption (ie backlit display option, etc).
- o The terminal is powered by four AA size Ni-Cad batteries, and can be optionally powered via the serial connector (12 VDC on pin #6).

## ENVIRONMENT

- o Operating Temperature:
  - 0 to 50 degrees C (32 to 120 F),
  - Humidity: 5 to 95% noncondensing
- o Storage Temperature:
  - 20 to 70 degrees C (-4 to 158 F),
  - Humidity: 0 to 100%

## SIZE & WEIGHT (options will effect weight)

- o Standard enclosure:
  - Height: 7.50" (19.05 cm),
  - Width: 4.0" (10.16 cm),
  - Depth: 1.29" (3.27 cm),
  - Weight: 0.86 lbs (535 grams)



Optional case for TT7C