



## TSI-715 Data Collection Terminal

*A Proven Performer That Addresses A Variety Of Data Collection Needs!*

### Features:

- Eliminates Manually Generated Time Card Data
- Costs Less Than Other Automated Timekeeping Products
- Links Directly To Your Existing Computer System
- 8 Programmable Function Keys
- Alphanumeric Keypad
- Accept/Reject Tones
- Signal Control for Bells and Access
- Four Methods of Background Communications
- Magnetic Stripe or Bar Code Reader
- Data Input Validation
- Supervisor Mode
- Lockout Scheduling
- Employee Messaging
- Integrated Operational Battery Backup



### Power & Flexibility

Time Systems International's TSI-715 Time & Data Terminal can record employee time, monitor productivity, control access and monitor inventory in a multitude of industries including restaurants, hospitals, health care facilities, banks, manufacturing, retail, hospitality, and many others.

The TSI-715 functions as a simple to use data collection point for employee information. It can be linked to a variety of existing computer networks in your organization to complement the management information systems you already have in place. By automating your data collection process, you can eliminate the manpower and mistakes associated with conventional time cards thereby reducing both payroll costs and errors.

The TSI-715 guarantees accurate, reliable input. Employees simply enter information through the TSI-715's keypad, by swiping a magnetic stripe or bar code badge. Employee feedback is provided through audible accept/reject tones and displayed messages.

Communication between the TSI-715 and your computer is accomplished by one of Time Systems International's polling and programming utilities or integrated time and attendance systems. The TSI-715 automatically transfers data to your computer. In turn, the computer is used to program the TSI-715. Each of the TSI-715's 8 function keys can be

programmed to ask up to four levels of information. Each piece of information can be validated and stored in the terminal's memory until requested by the host computer. The TSI-715 can be programmed to prompt employees for data input, display employee messages, validate job costing entries, restrict employee punching via a schedule, regulate employee access to restricted areas, control a bell and much more. The TSI-715 collects this data and transfers it to your computer via RS232 serial, RS485 LAN, internal dial-up modem or Ethernet communications.

The TSI-715 is constructed of injection-molded plastic that provides a tough, yet lightweight and attractive case. The TSI-715's internal battery provides full operation if power is lost.

What kind of data would you like to collect? Accurate tracking and reporting of employee time is essential to determining productivity. The TSI-715 provides an easy and cost effective means of gathering this type of data. If the data you're after can be mag-stripped, bar coded, or entered through a keypad, the TSI-715 can time stamp it, record it, and feed it to your computer, while performing other tasks at the same time. Put the power of automated data collection to use in your business!



## Benefits

- Eliminates the unavoidable errors associated with manually collected data
- Features easy operation
- Provides accurate, reliable data
- Is user programmable
- Links directly to your existing computer system
- Offers a variety of options
- Rechargeable back-up battery enables over 40 minutes of full operation during power failure
- Costs less than other automated data collection products

## Product Specifications

Dimensions:	4.4" x 6.7" x 2-1/2"
Weight:	1.69 lbs.
Memory:	128K RAM, Battery Backed
Card Reader:	Magnetic Stripe (track 1,2 or 3) Bar Code (3-of-f9, 2-of-5, 128)
Display:	2x16 LCD backlit Alphanumeric with Decimal Point
Programming:	ASCII-based, Over Communication Port
Communications:	Bi-directional Local Communications via RS232 Port RS485 LAN Optional 14.4 Baud Modem Optional 10/100 Ethernet
Power:	Voltage: 230 / 115 Vac + 10%, 50 / 60 Hz Consumption: less than 5 watts
Environment:	Operating Temperature: -20 - 60C Humidity: up to 95% RH

## Available Options

**Ethernet Communications:** With the optional internal Ethernet card, the terminal can be connected to any 10/100 Ethernet network

**Modem Communications:** With the optional internal Modem card, the terminal can be located remote to the host location and dialed up using standard telephone lines at a speed of 14.4 Baud

**Signal Control:** With the optional internal relay card, the terminal can control a 12 Vdc, 1 A dry-contact circuit. The signal control relay can be turned on by both a specific employee badge/number for access control or by time of day for bell ringing. The duration time is also programmable.

## Features

**Eight programmable functions:** Each function key can be programmed to collect up to four items of data, plus the initial employee I.D. and time stamp. For example, after swiping his identification badge, an employee could press function key 2 and be prompted to input a work order number, part number, and then prompted to input a quantity. NOTE: Data input at each level can be restricted to just the bar code, keypad, magnetic stripe, or any combination.

**Durable Construction:** The TSI-715 is constructed of injection molded plastic, which, pound for pound is stronger than steel, yet lightweight and attractive. The terminals have a dome membrane keypads, which create a watertight seal against external elements, including a spilt cup of coffee. Also comes with an integrated wall-mounting bracket.

**2x16 Character LCD Backlit Display:** The terminal comes with a highly advanced filtered LCD display. This means that under almost any lighting condition the terminal will give you a clear picture. The terminal supports characters such as <space>.

**Battery backed memory:** The terminal contains a rechargeable back-up battery which provides over 40 minutes of full operation during power failure. A warning indicator light on the terminals keypad alerts you to loss of line power. In addition, the TSI-715 has an internal Lithium battery keeping your data safe even if the power is out for weeks. The terminal's internal Lithium battery not only holds the memory, but also keeps the time and calendar accurate.

**Data Input Validation:** The TSI-715 terminal eliminates key stroke errors and increases job costing accuracy by allowing you to download tables of valid entries. When an employee keys or swipes a number, it is compared to the numbers you downloaded for validity. The terminal will correspondingly reject and accept entries, while optionally displaying the particular item name. Employees may also be restricted from entering unauthorized departments on an individual basis.

**Lockout Scheduling:** Eliminate unauthorized overtime by scheduling when employees can use the terminal. With this feature you can; lock out tardiness, out early birds, and force late arrivals and early departures to notify the supervisor in order to punch. You can also control punching by time of day, by day of week and give specific messages to employees as to why they were locked out. Supervisors may be allowed to override a lockout. When used with access control you may set up time schedules for employee access.

**Employee Messaging:** After the employee enters their ID, the terminal can display a 16-character such as the employee's name, hours worked, or location to report to. Messages can be personalized (i.e. "HAPPY BIRTHDAY"), giving your data collection terminal a human touch. In addition, message tables can be accessed through the terminals function keys. These message tables can be used to display information such as the employee's hours, schedule and benefits balances.

**Strict Manufacturing Standards:** Time Systems International's TSI-715 data collection terminals have been tested for optimal reliability. A high MTBF ensures virtually uninterrupted performance. The sealed keypad and the unique ergonomic design reduce maintenance costs. The terminals are certified to CE and are manufactured to ISO-9001.