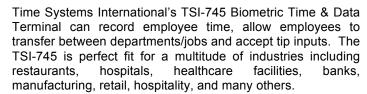# TSI-745 Data Collection Terminal

A Low Cost Performer for Biometric Applications!

Features:

- Eliminates Manually Generated Time Card Data

- Swipe & Go Clock with Dept. & Job Transfers and Tip Entry

- High resolution 500 dpi Biometric Fingerprint Reader, Stores up to 9090 Fingerprint Templates

- Links Directly To Your Existing Computer System

- Integrated Signal Control Bell Relay

- Four Communications Types; Ethernet, Serial, RS485 LAN, Modem

- Supports external readers such as Bar Code Wand/Gun or Access Control swipe.

- Magnetic Stripe, Proximity and/or Fingerprint Reader (1:1 Verify & 1: N Identify modes)

- Integrated Operational Battery Backup

- Alphanumeric Keypad

- Accept/Reject Tones

- Employee Messaging

- Supervisor mode

Eliminate Buddy Punching!

Time Systems International's TSI-745 Biometric Time & Data Terminal can record employee time, allow employees to transfer between departments/jobs and accept tip inputs. The TSI-745 is perfect fit for a multitude of industries including restaurants, hospitals, healthcare facilities, banks, manufacturing, retail, hospitality, and many others.

The TSI-745 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-745 guarantees accurate, reliable input. Employees simply enter information through the TSI-745's keypad, by swiping a magnetic stripe or proximity badge. In addition, the TSI-745's Biometric capability positively identifies the employee, eliminating buddy punching. Employee feedback is provided through audible accept/reject tones and displayed messages.

Communication between the TSI-745 is on a polled basis. Entering punches is as easy as swiping a badge or keying in a pin number. Alternately, an employee can press a function key and be prompted to enter additional information such as a department or job number. In restaurant environments the TSI-745's Tip key can accept up to two types of tip inputs, cash and charge. Each piece of information is stored in the terminal's memory until requested by the host computer. The TSI-745 can be programmed to display employee messages and control a bell. The TSI-745 collects this data and transfers it to your computer via RS232 serial, RS485 LAN, internal dial-up modem or Ethernet communications.

The TSI-745 is constructed of injection-molded plastic that provides a tough, yet lightweight and attractive case. The TSI-745'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-745 provides an easy and cost effective means of gathering this type of data. If the data you're after can be mag-striped, proximity encoded, entered through a keypad or biometrically identified, the TSI-745 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
- User programmable
- Links directly to your existing computer system
- Offers a variety of options
- Rechargeable back-up battery enables over 2 hours of full operation during power failure
- Costs less than other automated data collection products

Product Specifications

Dimensions:	9.8" x 6.7" x 3.7"
Weight:	2.5 lbs.
Memory:	256K RAM, Battery Backed
Reader:	Magnetic Stripe (track 1,2 or 3)
	Proximity Reader (HID 26 Bit)
	Fingerprint (1:1 validation or 1:N identification)
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: 110/230 Vac + 10%, 100mA
Environment:	Operating Temperature: -20 - 60C
	Humidity: up to 95% RH

Available Options

Ethernet Communications: With the optional internal Ethernet card, the terminal can 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 analog telephone lines at a speed of 14.4 Baud

Biometric Fingerprint Reader: The TSI-745 can store up to 9,090 Fingerprint templates for biometric verification (1 to 1) or identification (1 to many). The terminal utilizes a High resolution 500 dpi finger template.

External Reader: The TSI-745's has two reader ports to connect external devices such as a Bar Code gun or an Access Control Swipe Reader that could be mounted outside a door.

Features

Three programmable functions: Each function key can be programmed to collect pre defined data, plus the initial employee I.D. and time stamp. For example, an employee could press the Job key and be prompted to input a work order number.

Durable Construction: The TSI-745 is constructed of injection molded plastic, which, pound for pound is stronger than steel, yet lightweight and attractive. The terminals have domed 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 2 hours 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-745 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.

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.

Signal Control: With the TSI-745's internal relay, the terminal can control a 30 Vdc, 1 A dry-contact circuit. The signal control relay can be turned on by time of day for bell ringing. The duration time is also programmable.

Strict Manufacturing Standards: Time Systems International's TSI-745 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.