

## TimeLink **HandPunch 3000**

TimeLink offers the accuracy and convenience of biometric technology in its HandPunch 3000. Leveraging the unique geometry of the hand in work environments ranging from coal mines to clean rooms, the HandPunch has proven itself as a practical and precise solution. Smarter than card-based terminals, there are no cards to create, administer, carry -



### **Eliminates Badges and Buddy Punching**

The HandPunch verifies the identity of an individual based on unique features of the hand rather than steal-able and lose-able items like badges, passwords, or keys. As employees are required to present their hand as identification, the HandPunch dramatically reduces time fraud or "buddy punching." Increased accuracy and reduced time theft will ultimately maximize payroll accuracy and lower payroll costs for your organization, ensuring that corporate pay policies are fairly applied.

### **Versatile and Programmable**

Beyond a simple time clock, the HandPunch provides definable function keys that allow data collection when employees punch. The systems transmit data to the time and attendance host PC through a variety of options.

### **Highly Accurate Employee Verification**

The HandPunch is 99.9% accurate in all types of environments from the office to the manufacturing floor.

### **Fast and Easy to Use**

The HandPunch verifies employees' identities in less than one second, based on the unique size and shape of their hands. HandPunch clearly notifies each user of a match using red and green indicator lights. Over 15 employees can be verified on a single device in 1 minute.

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### **How Does it Work?**

The HandPunch measures the unique size and shape of the fingers of the hand (not fingerprints). A low-level infrared light (100 milliwatts, similar to remote controls for TVs, VCRs, etc.) and a CCD camera record a 3D image of the hand, which is converted to an algorithm. The mathematical value is stored as a template and is used as a point of reference each time an employee uses the device.

## Key Features

### Hand Geometry Technology

The HandPunch uses field-proven hand geometry biometric technology. Green and red lights notify the employee of the status of each punch. There's no question any more; employees have to be there punch.

### Programmable Data Management Keys

The HandPunch has two user-definable data management keys that let you collect data as employees punch. Common uses include department transfers, job codes, or pay codes. Multi-level data entry sequences may be defined. You can also set the data management keys to allow employees to review past punches. To reduce keystrokes, the keys can also be set to automatically enter data such as a frequently used department number or in/out status.

### Communication Options

Whether your application calls for one terminal or thousands, the HandPunch can meet the need. Multiple terminals can be networked together at a site via RS-485 wiring. An optional Ethernet communications module or dial up modem are also available. Both options are internal to the terminal making installation fast and simple.

### Bell Schedules

The bell schedule lets you program the day, time, and duration of a series of bells. The bells can be programmed to signal the beginning or end of a shift, lunch, or break.

### Door Control

As with other Time Link data collection options, the HandPunch provides the capability to unlock and monitor a door. Global time zones may be used to restrict employee access.

### Template Management

Easier enrollment, deployment and management of employee hand-geometry templates minimizes the administrative burden.



## Specifications

Size:	8.85 in (223 mm) wide 11.65 in (296 mm) high 8.55 in (217 mm) deep
Weight:	6 lbs (2.7 kg)
Power:	12 to 24 VDC or 12 to 24 VAC 50-60 Hz, 7 watts
Temperature Range:	14°F to 140°F (-10°C to 60°C) non-operating/storage 32°F to 113°F (0°C to 45°C) operating
Relative Humidity:	(non-condensing) 5% to 85% non-operating/storage 20% to 80% operating
Verification Time:	Less than one second
Memory Retention:	Up to 5 years via the standard internal lithium battery
Transaction Storage:	7680 transactions
Communications:	RS-485 (4 and 2 wire) RS-232 Serial Printer Support or network communications
Baud Rate:	300 to 28.8 Kbps
Card Reader Input:	Proximity, Wiegand, Magnetic Stripe, Bar Code (5 VDC provided by HandReader)
Card Reader Output:	Wiegand, Magnetic Stripe, Bar Code
Employee Messaging:	32 characters per message per employee
Internal Bar Code Reader:	Code 39 Interleaved 2 of 5
Door Controls	Bell Ring output, Door Switch input, Door Lock output (open collector, 5 VDC present, sinks to ground, 100 mA max)
Options:	- BB-200 Operational Battery Backup - DC-102 Data Converter (RS-232 to RS-485) - EM-805 Memory Expansion 3,498 users - EN-200 Ethernet Communications Module - MD-500 High Speed Internal Modem - WAR-EXT 1 year extended warranty

## Corporate Headquarters

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