

## HandPunch 3000

Developed to enhance most time and attendance systems, the HandPunch 3000 offers optional Ethernet connectivity and multiple memory upgrades to grow with your company's needs. In addition to providing all the features of the HandPunch 2000, it also includes:

- Edit-at-the-Clock Functions
- Bell Schedules
- Door Control
- The ability to connect multiple units at a single site



### *Smarter than card-based terminals*

There are no cards to create, administer, carry -- or lose. 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. Because no one can punch in or out for your employees, the system reduces time theft and improves payroll accuracy.

### *Versatile and Programmable*

Beyond a simple time clock, the HandPunch 3000 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.

*When you want to cut time and attendance costs...do it by hand.*

### *Hand Geometry Technology*

The HandPunch 3000 uses field-proven hand geometry biometric technology. The terminal captures a three-dimensional image of the hand each time the employee punches. The hand's size and the shape are used to verify their identity with unparalleled accuracy. No fingerprints or palm prints are utilized. Green and red lights notify the employee of the status of each punch. There's no question any more; employees have to be there to punch.

### *Programmable Function Keys*

The HandPunch 3000 has two user-definable function keys that let you collect data as employees punch. Common uses include department transfers, tips collected, job codes, or pay codes. Multi-level data entry sequences may be defined. You can also set the function keys to allow employees to review their 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*

The HandPunch 3000, designed for larger networked installations, allows multiple units to be connected at a site via RS-485 wiring, an optional Ethernet module, or dial-up modem.

### *Edit-at-the-Clock Functions*

The HandPunch 3000 allows supervisors to override user restrictions and to input such items as missed punches, planned vacations, sick time, etc. The password-protected mode provides greater supervisor flexibility by lessening the need for computer edits. Audit trails documenting the use of these functions are generated to ensure security.

*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*

The HandPunch 3000 provides the capability to unlock and monitor a door. Global time zones may be used to restrict employee access.

Specifications

Part Number:	HP-3000
Size:	8.85 in (22.3 cm) wide 11.65 in (29.6 cm) high 8.55 in (21.7 cm) 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:	5120 transactions
ID Number Length:	1 to 10 digits from keypad or card
User Capacity:	512 users expandable to 32,512 users
Template Size:	9 bytes
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
Duress Code:	1 leading digit (user definable)
Door Controls:	Bell Ring output, Door Switch input, Door Lock output. (open collector, 5 VDC present, sinks to ground, 100 mA max)
Time Zones:	62 user definable time zones
Options:	BB-200 Operational Battery Backup BC-100 Bar Code Reader Wall Mount DC-102 Data Converter (RS-232 to RS-485) EM-801 Memory Expansion - 9,728 users EM-803 Memory Expansion - 32,512 users EN-200 Ethernet Communications Module MD-500 High Speed Internal Modem