

## HP 3000

### Product Description

There are no cards to create, administer, carry or lose. The HandPunch® 3000 verifies employees' identities in less than one second, based on the unique size and shape of their hands. HandPunch 3000 clearly notifies each user of a match using red & green indicator lights. Because no one can punch in or out for your employees, the system reduces time theft & improves payroll accuracy.

Vanquish has been developed to work seamlessly with the 'Hand Punch' terminal, including template management. In a multi-terminal system with template management, users need only register at one terminal and Vanquish takes care of the rest, distributing the relevant templates to other terminals connected to the system.

The Hand Punch 3000 provides definable data management keys that allow data collection when employees punch. The HandPunch 3000 also has the ability to control a door.



### Functions

#### Standard



#### Optional



### Features

- Saves money over card-based systems
- Eliminates badges
- Eliminates buddy punching
- Fast and easy to use
- Provides the most accurate time and attendance solution available
- Antimicrobial protection
- Programmable data management keys

## HP3000 Specifications

### Capacity

User Capacity	512, expandable to 32,512
ID No. Length	1 to 10 digits from keypad /card
Memory Retention	Up to 5 years via the standard lithium battery
Transaction Storage	5120 transactions
Template Size	9 bytes

### Handscan Algorithm

Verification	< 1 seconds
--------------	-------------

### Display

Screen	3 Inch LCD Display
--------	--------------------

### Environment

Oper. Temp	0°C - 45°C
Non-Oper. Temp	-10°C - 60°C

### Power

Power	12 to 24 VDC or 12 to 24 VAC 50-60 Hz, 7 Watts
-------	---------------------------------------------------

### Communication

Comm. Port	RS-485 (4 and 2 wire), R-232 Serial Printer Support or network communications
Baud Rate	300 to 28.8 Kbps

### Duress

Duress Code	1 leading digit (user definable)
-------------	----------------------------------

### Door

Controls	Door Lock Output (Sinks 0-24 VDC, 100mA max), Door Switch Monitoring, Bell Ring Output (Sinks 0-24VDC, 100mA max)
----------	----------------------------------------------------------------------------------------------------------------------------

### Card Reader

Input	Proximity, Wiegand, Magnetic Stripe, Bar Code (5 VDC provided by HandReader)
Output	Wiegand, Magnetic Stripe, Bar Code

### Dimensions

Dimensions	223 x 296 x 217mm (W x H x D)
Weight	6 lbs (2.7kg)

### Optional Functions

BB-200	Optional Battery Backup
BC-100	Bar Code Reader Wall Mount
DC-102	Data Converter (RS232 to RS-485)
EM-801	Memory Expansion (9,728)
EM-803	Memory Expansion (32,512)
MD-500	Internal 14.4 Baud Dial-up Modem
WAR-EXT	1 year extended warranty

## Connectivity Diagram HP3000

