AMERICAN Time Recorder, Inc.
Quality Time and Attendance Systems

HandPunch Biometric Timeclocks

Accurate & Secure Data Collection

HandPunch biometric timeclocks provide the most accurate and secure data collection solution available by ensuring that employees must be present in order to record punches. The most popular biometric terminals in the world, HandPunch timeclocks use field-proven hand geometry technology to capture a three-dimensional image of the employee's hand each time a punch is entered. The size and shape of the hand is compared against a template stored in memory to verify the employee's identity. No fingerprints or palm prints are utilized.

HandPunch timeclocks verify employees' identities based on their employee IDs and biometric hand scans, so the verification process takes less than two seconds to complete. In addition, the biometric templates stored in memory are automatically updated each time an employee punches to allow for slight changes as a result of aging or changes in weight. This hand geometry biometric technology offers a number of important advantages:

- Unparalleled accuracy and reliability
- Eliminates the expense and hassle of card-based systems
- Fast, easy enrollment and use
- Improved security, accuracy, speed, and convenience

Improve Payroll Accuracy

HandPunch timeclocks greatly improve payroll accuracy by eliminating "buddy-punching," the practice of employees punching in or out for other employees who aren't at work. Not only does this reduce labor costs and the time required to prepare payroll, but it also gives supervisors more time to focus on their jobs instead of watching clocks, thereby increasing efficiency and profitability.

Eliminate Expense of Badges

With HandPunch timeclocks there are no cards to create, administer, carry, or lose; employees' hands replace their badges. A person's identity is verified in less than two seconds based on the employee ID and the unique size and shape of his or her hand. Indicator lights clearly notify users of the status of each punch. Select HandPunch models include built-in badge readers in case badges are necessary.

Access Control

According to the Transportation Security Administration, HandPunch hand geometry is the only biometric technology that has proven to be effective for employee access control at airports. Several HandPunch models support door access control, so when connected to electronic door switches these terminals provide a fail-safe method of ensuring that each person who gains entry is not simply carrying someone else's access card. If the biometric scan of a person's hand isn't recognized, a HandPunch terminal will not unlock a door. In addition, an employee's schedule may be used to restrict access to specific days and times. Several HandPunch models also support schedules for ringing electronic shop bells at predefined times.

Advanced Functionality

Most HandPunch models include programmable data management keys that allow you to collect distributed labor data as employees punch. Common uses include collecting transfers, concurrent jobs, piece rates, and job cost transactions. Multi-level data entry sequences may also be defined for complex labor costing scenarios.

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HandPunch Model 50E

HandPunch model 50E timeclocks communicate over a TCP/IP ethernet connection and can accommodate up to 50 employees and 5,120 transactions.

HandPunch Model 1000

HandPunch model 1000 timeclocks communicate over a modem or RS-232 serial connection and can accommodate up to 50 employees and 5,120 transactions. An optional memory upgrade may be installed to expand capacity to 100 employees.

HandPunch Model 2000

HandPunch model 2000 timeclocks communicate over a modem or RS-232 serial connection and can accommodate up to 512 employees and 5,120 transactions. In addition, HandPunch model 2000 terminals include two programmable data management keys for collecting transfer or job cost transactions.

HandPunch Model 3000

HandPunch model 3000 timeclocks communicate over an Ethernet, modem, or RS-232/RS-485 serial connection and can accommodate up to 512 employees and 5,120 transactions. An optional memory upgrade may be installed to expand capacity to 9,728 employees. HandPunch model 3000 terminals include access control capabilities, bell schedule functionality, and two programmable data management keys for collecting transfer or job cost transactions. Optional external HID proxy point RF readers (standard 26-bit Wiegand format) are also available for model 3000 timeclocks.

HandPunch Model 4000

HandPunch model 4000 timeclocks communicate over an Ethernet, modem, or RS-232/RS-485 serial connection and can accommodate up to 530 employees and 7,680 transactions. An optional memory upgrade may be installed to expand capacity to 3,498 employees. HandPunch model 4000 terminals come equipped with internal badge readers, 10 programmable data management keys, and access control and bell schedule capabilities.