ACL-750

DATA LOGGING WRIST AND FOOT STRAP COMBO TESTER KIT

OWNERS MANUAL & OPERATION GUIDE

**Includes software, calibration data, bar code,
magnetic stripe and proximity card reader instructions**



SOFTWARE VERSION: _____

SERIAL NUMBER: _____

COMPANY: _____

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Ver 06/01/2002/a
For software Ver 6.52, and Testers manufactured after 4/30/2002

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Congratulations on purchasing your ACL-750 data-logging wrist and foot strap testing kit. This is the finest tester available on the market.

FEATURES:

- Reads actual resistance of the strap from 10 kilohms to 100 megohms
  and up to 1000megohms for new 1000M unit.
- Alarm points may be programmed to any value for any user
  or the combo tester limits can be automatically used.
- Accepts up to 5000 employees
- Easy to use
- Employees step on the footpads,
  Plug in their wrist strap,
  Click on their name
  (Or type in the first few letters of their name)
  (Or type the line number of their name)
  (Or type their ID number)
  (Or scan a barcode or proximity card)
  And push a button
- Generates and prints
  -- Monthly test results reports
  -- Daily event logs
  -- Continuous event logs
  -- Event logs for any employee over any time span
  -- Employee failure exception reports
  -- Certification expiration report
  -- Attendance summary
  -- Vacation summary
  -- Labels for employees that pass the esd test
- Employee leave status (sick, vacation etc.) can be stored.
- Reports can be limited to specific work groups.
- Report files may be easily imported into other spreadsheets or databases.
- Reports can be automatically generated and emailed.
- Requires a password to change the parameters and access the data.
- Can optionally require an individual password for each employee to test.
- Can read employee bar code badges or cards (via keyboard wedge).
  Can use first, last, or middle n characters of the barcode.
  Can ask employee to type in name if new badge is read.
- Can read employee proximity card with an HID 5352 RS232 reader.
- Can read employee proximity card with a Casi-Rusco 94x, 97x Wiegand reader
- Can be used without monitor.
- Is able to open a door if straps are in tolerance.
- Is able to prevent unauthorized entry without the proper badge.
- Can warn employee of impending certification expiration.
- Can limit access of employees with expired certification.
- Runs on any Windows 95, 98, ME, NT, 2000, XP compatible PC.
  (Use older 16bit version for Windows 3.1 (non-workgroup) machines.)
- Uses any standard RS-232 communications port
- Uses a standard dual DB9S (female) connector RS-232 cable
- Can accept and display International dates and numbers
- Program window can be minimized only with correct password.
- Multiple stations can be connected to a network.
- A networked station will still operate even if the network malfunctions.

INTRODUCTION

High voltage static fields can build up on humans as they walk along an insulative surface such as a carpet. A person with a high voltage static charge can destroy or damage an integrated circuit or FET device by touching it. Thus most electronic assemblers wear wrist straps or heel grounders to keep the wearers at the same voltage potential as the parts they are assembling. Wrist straps and heel grounders may also be worn at chemical plants, explosive materials factories and storage areas.

A wrist strap is simply a conductive cord that connects the wearer's wrist to a grounded conductive pad that covers the assembly bench.

A heel grounder is a small strap that connects the wearer's ankle to their special conductive shoe heel. This requires that the floor be covered with a grounded conductive carpet or dissipative floor wax (available through ACL). It is important that two heel grounders be worn to achieve proper field discharge.

Wrist straps and heel grounders simply act as a wire to drain off charges. However, to prevent accidental electrocution of the wearer (should the wearer inadvertently touch an external high voltage source) a high resistance is built into the strap. The resistance is typically between .5 to 50 megohms.

Thus straps and heel grounders have to be tested for two different malfunction conditions. If there is an open circuit (too high a resistance), and does not function, then it will fail to prevent high voltage build up. If there is a short circuit (too low a resistance), then it will fail to prevent electrocution.

The Wrist Strap and Dual Heel Tester is a small handheld or wall mounted instrument that checks the conductive integrity of wrist straps and heel grounders. This prevents faulty straps from allowing high voltage buildup on the wearer, and prevents short-circuited straps from enabling electrocution of the wearer.

To use it, the wearer simply inserts their wrist strap plug into the instrument, and stands on the foot plates (if wearing heel grounders), and presses the button. An LED display shows the results of the test (OK, low or high), and an alarm sounds if the resistance is not within its preset limits.

If the computer data logging option is used, then the data is automatically recorded in the computer, and a monthly report can be printed. The computer option shows the actual resistance. If the resistance is changing day by day, the ACL 750 can be a valuable tool to predict failures before they happen.

Unlike other testers, the ACL 750 Dual Heel Tester tests both feet at once, and does not require the wearer to shift feet and repeat the test. This saves time, and can insure proper testing. The ACL 750 cannot be fooled by a wearer who dislikes wearing two grounders and merely presses the button twice while stepping on the footplate with the same foot.

EQUIPMENT REQUIRED

1. Windows operating system (Windows 95/ 98/ME/NT/2000/XP).
2. An operable serial communication (comm.) port (or USB to RS232 converter) on computer or laptop. HID/CASI-RUSCO/MOTOROLA™ proximity readers require an additional serial comm. Port (or USB to RS232 converter).
3. 486DX microprocessor or higher (Pentium or similar). Larger hard drives (2 G) will store more employee data.
4. A LAN network-able system is needed for networking multiple testers. (ACL Staticide is not responsible for the installation or maintenance of the network after the software is installed.)
5. To use e-mail feature, users will need a MAPI compliant e-mail program such as Microsoft Outlook or Outlook Express.

EQUIPMENT PROVIDED

1 – ACL-750 meter unit
1 – AC power adapter
1 – 9 volt battery-alkaline
2 – Software disks or CD with instructions*
1 –Foot Plate: ACL 742
1 –Foot Stand: ACL 733 (for HID stand: ACL 734)
1 – RS-232 Cord- must be used
Hook/Loop strips (For use with meter)

Found on bottom of foot stand –Allen head bolts and Allen head wrench.

OPTIONAL EQUIPMENT

1. PS2 connector for laptop connection
2. Barcode scanner (ACL 755)
3. Magnetic stripe reader (ACL 756)
4. HID™ Proximity Reader with two plug power supply adapter
5. Casi-Rusco™ Reader with two plug power supply adapter
6. USB to serial adapter

BEFORE YOU BEGIN

1. Make sure that a sample identification card has been sent to ACL Staticide for proper programming of reader.
2. Read the manual, help files, and other files on the C:\EsdTest directory.
3. If user will not be using the software function of the ACL-750 meter, disregard the software instructions in this manual.
4. Install the meter in view of the computer monitor, so testers can view test results.
5. Take a deep breath, and know that with the innovative product line of ACL Staticide there is instant peace of mind.
6. At anytime, please contact ACL Staticide technical staff or refer to ***www.aclstaticide.com*** for technical support literature. Technical questions should be directed to **info@aclstaticide.com**

METER ASSEMBLY INSTRUCTIONS

1. For HID/CASI-RUSCO™ proximity users, two nine pin serial (or USB to RS232) ports are required on your computer. One for the ACL-750 meter and one for the HID/CASI-RUSCO™ proximity reader. The supplied RS-232 cords must be used. If there is a 25 pin DB25P on the computer, a DB25P to DB9P serial port adapter can be purchased from an electronic store like Radio Shack™. A USB to serial adapter may be purchased from ACL Staticide.

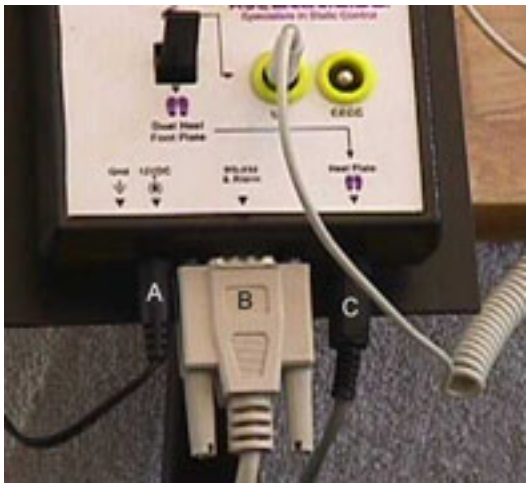


Illustration 1

2. Fasten the foot stand to the footplate. Place the foot stand on top of the footplate. Insert the small Allen head bolts through the holes in the circular plate on the bottom of the stand. Position these bolts into the T nuts located in the bottom of the footplate using the enclosed Allen head wrench. Tighten with Allen head wrench. **DO NOT OVER TIGHTEN**.
3. Position the HID/CASI-RUSCO™ reader (if purchased) on the right side of the top of the foot stand, where indicated by label. Place the RS-232 wire attached to the back of the HID reader down through the rectangle hole. Then attach the ACL-750 meter on the left side on top of the foot stand, where indicated by label. Place the meter so the top of the meter is flush with the top of the foot stand and is touching the HID reader on the right side. With the non-proximity stand (Bar Code or Magnetic stripe) position the meter so that the RS-232 plug does ***NOT*** protrude from the bottom and cause interference with the person being tested. Place the bar code or mag stripe reader on TOP of the stand.
4. Attach the two-plug power supply cord (see Illustration 1 – A) to both the ACL-750 meter and to the HID/CASI-RUSCO™ reader (if purchased). The male plug is attached to back of the HID™ reader, through the small round hole besides the reader. The female plug is attached to the ACL-750 meter up through the hole of the stand into the front of the meter. Attach the RS-232 loose cable (see Illustration 1 - B) to the front of the ACL-750 meter. Use hook/loop strips and attach the ACL-750 meter and the HID/CASI-RUSCO™ proximity reader to the stand. With the meter alone or with bar code or mag stripe attach the one power supply unit.
5. Insert the cords and wires inside the back of the foot stand allowing wire slack. Place the enclosed plastic shroud over the wire enclosure.
6. **Do not install a battery if the power supply is used**. IT MIGHT OVERHEAT AND RUPTURE. Use only the power supply **OR** the alkaline battery.
7. Insert the other ends of the RS-232 cords into the computer.
8. An optional USB to serial RS-232 converter may be purchased.
9. Plug the footplate lead (see Illustration 1 – C) completely into the tester socket "Heel Plate".
10. Plug in the power supply.

11. Remove the protective film from both the metal pieces on meter and also from plates on the footplate.
12. Turn on the computer. (Turning on the computer before the hardware is installed will not allow the Windows operating system to properly run.)

SOFTWARE INSTALLATION GUIDE

1. Insert the CD into the CD reader, or insert the installation disk labeled 1 of 2 into your floppy drive.
2. Close all open programs including anti-virus programs.
3. From the start menu, select "RUN" and type: ' A:\setup' (or D:\setup from a CD) and press enter. Follow instructions.
4. If the following message is displayed, "A file being copied is older than the file currently on your system. It is recommended that you keep your existing file. Do you want to keep this file? ", Select Yes. If the user is reinstalling this software due to a computer error after already having input data, do not copy over the log.txt or names.txt files.
5. To create an icon on your desktop as a shortcut, select the first ESDTest icon (ESDTest.exe) in the ESD Test folder on the hard drive to use as an icon to copy. The second ESDTest icon shown is just an icon. To create an icon on a desktop, locate the ESD Test folder on the hard drive. Open it and right click on the first ESDTest icon. Select create shortcut and drag the new shortcut icon onto your desktop.
6. At this time you may install the bar code or magnetic stripe scanner. (If purchased)

BAR CODE READER or MAGNETIC STRIPE READER INSTALLATION INSTRUCTIONS:

(Unit is a keyboard wedge device with carriage return.)

1. NOTE: If your unit has a PS2 connector port for your keyboard, you will have to obtain a 5-din pin adapter from a local electronics store. (Radio Shack)
2. Un-package the magnetic stripe reader or bar code reader and unravel cord.
3. Unplug your computer's keyboard from the back of the CPU.
4. Plug the magnetic stripe reader or bar code reader (male end) into the keyboard socket in the back of the computer.
5. Plug the keyboard into the female terminal on the magnetic stripe reader or bar code reader. Attach the reader on the top of the stand.
6. The magnetic stripe reader or bar code reader is now ready to use. Position the reader on TOP of the stand. Position the ACL-750 directly below the reader so as the RS-232 does not protrude.
7. Turn computer on.
8. Install software
9. Attach footplate cord to bottom of meter.
10. Read, "help files".
11. Open ESD program- Click "Set up".
12. Click "Employee Selection Configuration"
13. Select Bar code. This is same setting if using magnetic stripe reader.
14. Select "Use IDS not Names"
15. Select "Don't Show Names"
16. If you do not want the numbers to be displayed for safety reasons select the Don't Show Numbers box.
17. Press "Edit Reader parameters".
18. Press "all" under Characters to use.
19. If you want to enter new badges click all the 4 boxes in the unrecognized employee configuration window.

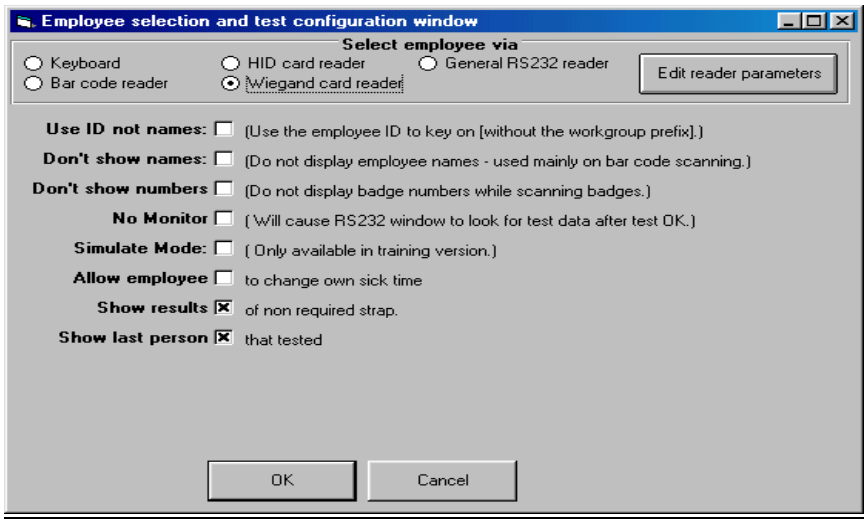
TROUBLE SHOOTING IF SCANNER DOES NOT READ

1. If your card- reader configuration is incorrect the card will not work. The reader must be programmed for your card configuration. I.e. tracks 1,2,3 or 1 and 2, or 2 and 3 etc.
2. Try reversing your card around and offering the readable side on the reverse side. Pass card faster or slower. Clean with water or alcohol if dirty.
3. Check characters to use configuration.

TESTING USING CASI-RUSCO™ OR HID™ READERS

- **The computer must have two working serial ports installed on the computer.** One for the meter and one for the CASI-RUSCO or HID reader. A low cost two serial port card is available from any computer store.

1. Attach the CASI RUSCO™ reader or the HID™ reader to RS-232 serial comm. port. Attach the two-plug power supply cable by fastening the male connector to the HID or CASI-Rusco unit and female connector to the meter. Test the card to see if the unit reads green and emits a 'buzz' sound.
2. Read the manual and HELP files on the C:\EsdTest directory.
3. Open the 'Employee selection Configuration' screen and press the appropriate box for HID, or CASI-RUSCO in addition to the character and bit information. Click the HID box for the HID reader, click the Wiegand box for the CASI-RUSCO unit. (See figure below.) The RS232 box is for a Motorola unit with a Wiegand to RS232 converter, or any other reader with an RS232 output.



1. Select "Use IDS not Names"
2. Select "Don't Show Names"
3. If you do not want the numbers to be displayed for safety reasons select the "Don't Show Numbers" box.
4. Press "Edit reader parameters"
5. The HID reader parameters for 26 bit cards should read "Use middle 16 bits" and "Skip first 31 bits". For 8 bit cards use 24 bits and skip the first 23. For 37 bit cards use middle 31 bits and skip the first 24 bits.
6. For CASI-RUSCO 6 digit cards use the middle 19 bits and skip the first 24 bits.

TROUBLE SHOOTING: If the card does not work.

1. If either the card reader configuration or bits to use or bits to skip is incorrect the card will not work.
2. Incorrect comm. ports will not allow the system to work. Check if they are operable and if they are correctly connected. The tester and reader must NOT be on the same ports.
3. Press the test press switch for at least two seconds.
4. Try rebooting the computer after everything is installed.

TESTING OF WRIST STRAPS AND FOOTWEAR

Daily testing of wrist straps and footwear is mandatory to ensure the grounding devices function properly and to minimize charge generation on the human body, which may cause damage to integrated circuits. Partially conductive footwear and wrist straps are the primary techniques used to drain and minimize electrical charges from the body. The wrist and foot straps typically have a 1 megohm resistor built into them. Too low a resistance can cause rapid discharge resulting in sparking and failures. Low resistance wrist or foot straps can also cause an electrical shock to the operator if he touches a high voltage circuit. On the other hand, open circuit or broken straps can cause high electrical resistant paths that result in static buildup, arcing, and integrated circuit damage.

To adapt to ISO-9000 certification the results should be recorded in a computer database or printed to hard copy.

WRIST STRAPS

When using the meter for wrist strap testing or monitoring, position the three position switch up for testing wrists only, down for heal grounders only and in the middle for testing both wrist straps and heal grounders simultaneously.

1. If NOT using the software, position the switch located on the front of the meter to the wrist strap position. If using the software, the computer will recognize what you are testing without using the switch.
2. Attach the wrist strap to the ground cord attached. Be sure the strap is in snug contact with the wrist. Dry skin, hair or foreign contaminants may cause failures for in-specification, well functioning wrist straps. ESD hand lotions will improve skin contact with wrist straps.
3. Insert the end of the ground cord into the appropriate banana jack located on the front of the Combo-Tester meter. The US female jack is on the left side and the constant monitoring 3.5 mm stereo plug is on the right side. Depress and hold the metal test plate until an LED illuminates. Software users should ignore tester LED's and watch the computer monitor. The software will test both the wrist straps and foot grounders simultaneously and display the results of both the resistances and pass/fail in one step.
4. If the green "OK" LED illuminates, the wrist strap is functioning within the resistance specification range and therefore may be used to handle static sensitive devices. If the monitor screen turns green, the test was also a "pass." Make sure the toggle switch is in the correct testing position.
5. If either the red "Too High" or red "Too Low" LED illuminates and the buzzer activates or the computer screen turns red, the worker must adjust and re-test the wrist strap cord immediately. To test a faulty cord, leave the cord plugged into the meter and detach the wrist cord from the strap. Press the wrist strap metal snap-end of the cord against the stainless steel test plate avoiding skin contact. If the cord tests "FAIL" replace the cord.
6. Replace a low battery immediately in order to assure accurate readings.
   Do not install battery if power supply is used.

FOOTWEAR

Testing shoes or heel/toe grounders require the unique dual stainless steel footplate.

1. Plug the footplate lead **all the way** into the tester socket "Heel Plate."
2. Position the switch in the front of the meter to the dual heel footplate position (only required if not using the software.)
3. Stand on the footplate making sure that each foot is aligned in the left and right stainless steel pad and not touching both foot plates.
4. Depress and **hold** the metal test plate switch until an LED light illuminates or monitor screen displays readings.
5. If the green "OK" LED lights or the monitor displays green, then the foot grounders are functioning within the specifications.
6. If either of the "FAIL LOW" or "FAIL HIGH" red LED's illuminate along with the activation of the buzzer for either foot, or the display turns red, the user should check their shoe or heel/toe grounders and re-test. If both feet fail only one foot will display "FAIL" on the tester. When that foot is corrected the other foot will display "fail" until it is corrected.

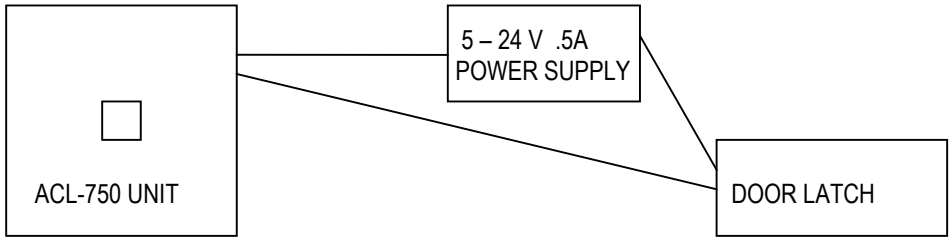
The ESD foot-grounding device may be out of specification for the following reasons: poor skin-tab contact, dirt contamination, broken internal resistor, broken leads, etc.

CALIBRATION VERIFICATION

The ACL-750 meter is calibrated to NIST traceable standards. The meter self calibrates itself with each use by comparing the surface mounted 1-megohm resistor value and capacitor against the unknown value. After one year of use, the meter can be sent to ACL Staticide, Inc. to be re-calibrated and be issued a new NIST traceable certificate. Please call ACL for the cost of this service.

DOOR RELAY WIRING AND SPECIFICATIONS

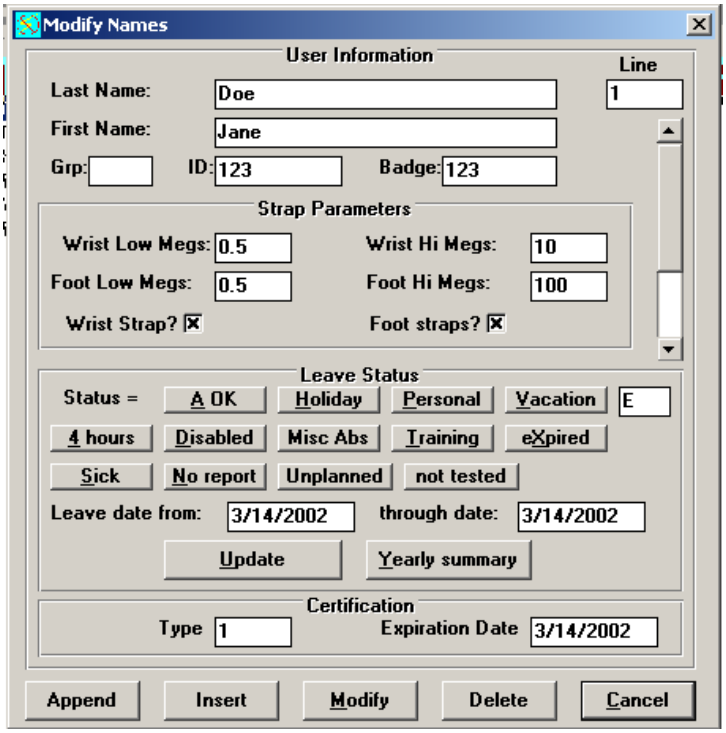
Units that specify a door-opening relay will be equipped with two pigtail wires found on the right side of the unit. There are two male bayonet type plugs attached to these wires. There are two unwired female jacks attached to these male plugs, which can be attached to the open/close schematics on the door/bell circuit board (connected to the door mechanism). The relay in the ACL-750 is a single throw, low voltage single pole normally open relay. When the user passes a test, the relay is activated and closed for 3 seconds or until the next person uses the tester. The relay is rated .5 amps at 24 volts. Please refer to the schematics of a footplate door opening mechanism. Substitute the two-wire connection of the footplate or hand switch for the two wire door wires.



Proper wiring of door relay device

TESTER ADJUSTMENTS

The ACL-750 can be adjusted to various electrical resistance specifications by opening the meter case and pressing the dipswitches corresponding to the desired test ranges (see chart below). For units manufactured after 3/12/2002, the ACL-750 will alarm according to the EsdTest software set points, unless disconnected from the computer. The software parameters can be set in the software under 'Set up', 'User Information', and entering desired information in 'Strap Parameters'. (See below)

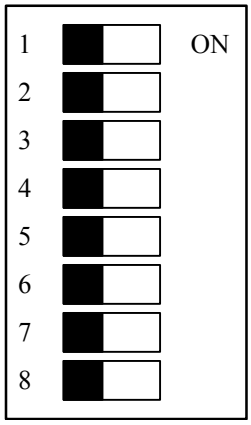


The resistance ranges depend on what test standard, i.e. (EOS-CECC) the user follows. The user must know what resistance range values are acceptable for their floors, shoes, and heel/toe grounders and according to either EOS or European standards. The 750 Meter is preset to the EOS ESD standard based on the 2020 specification (represented in **bold** under "Dip Switch Settings" on page 11). Attempt to keep the default (meter DIP switch settings) specifications the same as the computer. That way, the combo meter will display the correct set points if the computer is off. The system can be programmed to use the default (inside meter) by using a ***default setting of "dipswitch"(or –1).***

DIP SWITCH SETTINGS

The following resistance alarm values may be set inside the combo meter.
The factory settings are represented in **bold.**

Foot Low	sw1	
.5M	off	
.75M	**ON**	(US & IEC default)



Wrist Low	sw2	
.5M	off	
.75M	**ON**	(US & IEC default)

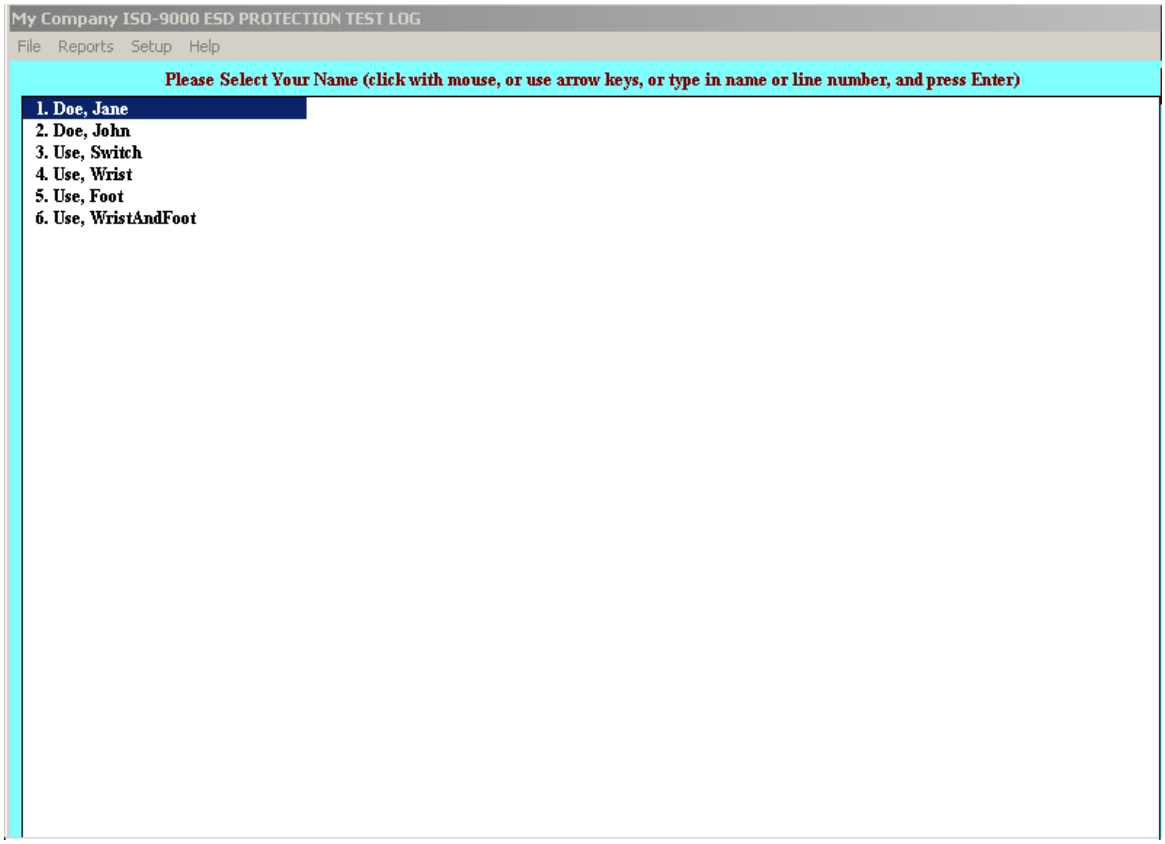
Foot High	sw3	sw4	sw5	
2M	off	off	off	
5M	ON	off	off	
10M	off	ON	off	
25M	ON	ON	off	
35M	off	off	ON	(IEC & CECC default)
50M	ON	off	ON	
75M	off	ON	ON	
100M	**ON**	**ON**	**ON**	(US default)

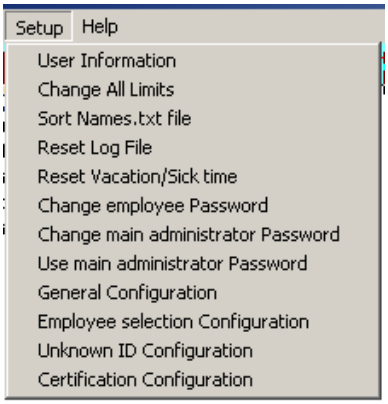
Wrist High	sw6	sw7	sw8	
2M	off	off	off	
5M	ON	off	off	
10M	**off**	**ON**	**off**	(US default)
25M	ON	ON	off	
35M	off	off	ON	(IEC & CECC default)
50M	ON	off	ON	
75M	off	ON	ON	
100M	ON	ON	ON	

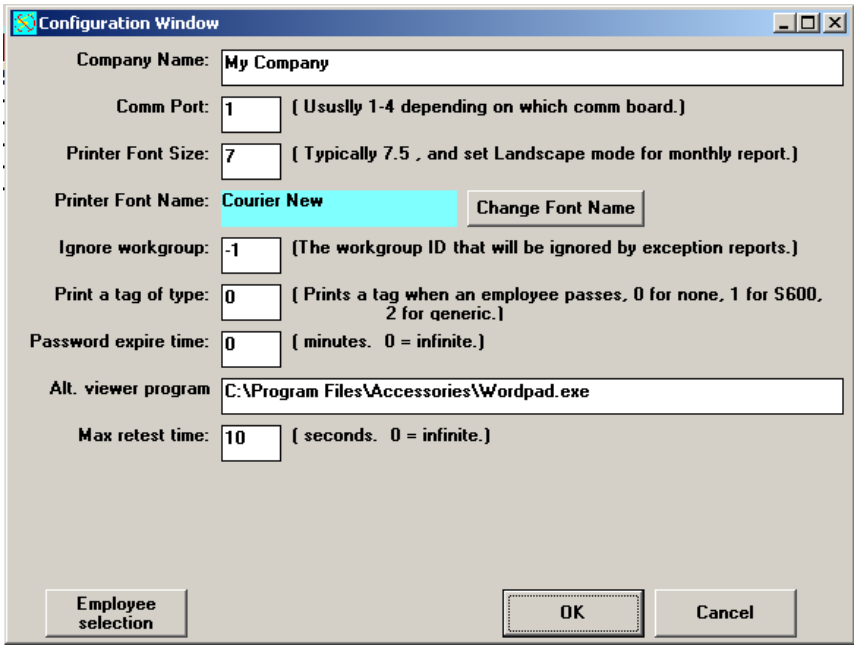
A special 1000 megohm unit is also available

GENERALCONFIGURATION SETTINGS

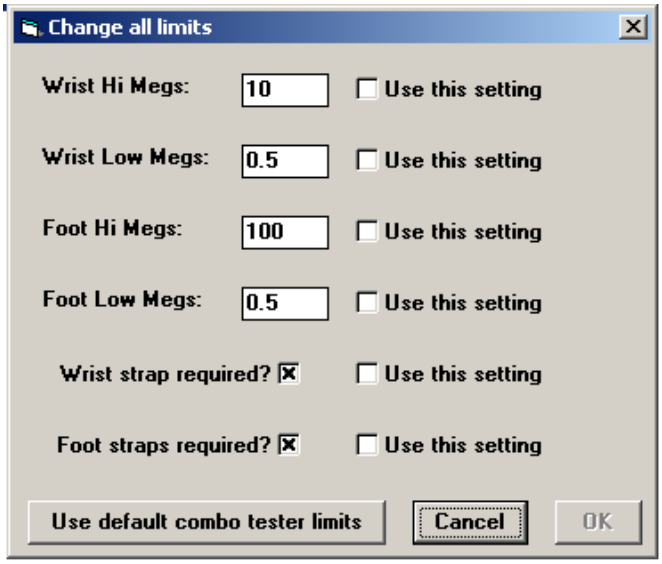
1. Open the EsdTest program
2. Select “Setup”







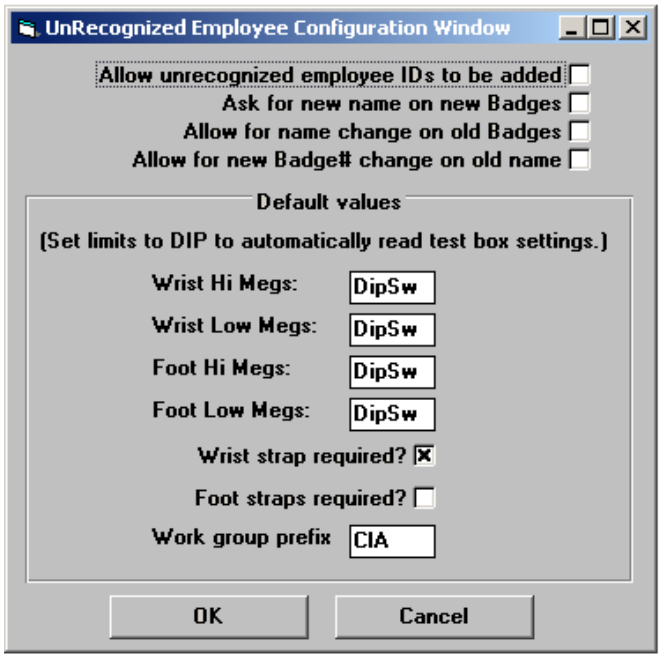
3. Select “General Configuration”
4. Enter the Company Name. Do not use commas or periods.
5. Enter the correct comm. serial port number that the RS-232 cable is connected. The default is 1.
6. Select the printer ‘Font Name’ item from the ‘Setup’ menu, and select a fixed font width font such as Courier, Courier New, Terminal, System or Fixed. Print a report by selecting the ‘Reports Menu’ and clicking on ‘Print Monthly’. The user should pick a month with 31 days in order to check the proper type width. The printer setup should be in the Landscape mode. Check the printout. Adjust the ‘Printer Font Size’ item of the ‘Setup’ menu to expand or contract the lines to fit the page. Select size 7.5 font.



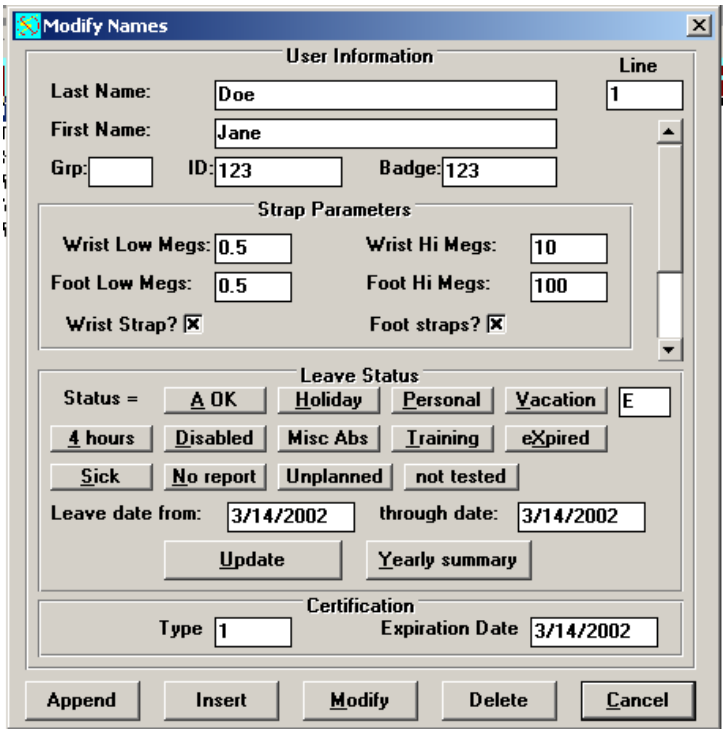
7. Under the ‘Setup Menu’ select “Change All Limits’. This screen is used to set the parameters for the wrist and foot straps. The wrist strap and heel grounder defaults may also be selected. Any resistance values from 0.10 megohms to 99.99 megohms for the maximum and minimum alarm conditions may be entered. *A special 1000 megohm model PROM is also available. However, it is recommended that you enter the alarm conditions at which the tester internal dipswitches are set. These may be determined later by running a test and reading the set point conditions in the ‘Received’ window. The dip switch setting on the tester overrides the “Wrist Used” and “Foot Used” criteria in the user ‘Setup’ menu.

8. By using -1 in all fields, the parameter settings will automatically match the dipswitch settings inside the meter. For example, the wrist low would be .75 because dipswitch 2 is turned on. If the user puts dipswitch 2 to the off position, -1 would then be .50 Megs. (See limit switch settings chart).

9. A password protection can be activated in order to access the setup parameters and the data. . Select 'Change Password' under 'Setup' and type in the new password. If using a password, it will only be asked for once. If a password was previously entered and is no longer required, select 'Change Password' and leave the field blank when selecting a new one.



10. The program will also allow automatic addition of new badges. This may be enabled in the 'Unknown ID Configuration' menu under the 'Setup'. Mark the "Allow Unrecognized Employee ID's to be added" box to use this feature.



11. Enter the desired user information. Select 'Setup' from the main menu and user information. Up to 5000 employee names and information may be added. There are 9 sample users already in the software, which may be deleted after the user studies them as examples. The names can be manually entered with data base software such as Access™.
12. There are five ***command buttons*** at the bottom of the user information screen: ***Append, Insert, Modify, Delete Cancel.***

13. When the 'User Information' is selected, the first employee will automatically pop up. It can be typed over with the new user's information. This feature allows the default settings to be used repeatedly. Once new user information is typed over the default settings, the user should press '***APPEND***'. This will create a new number for that user at the bottom of the list.
14. If you would like to insert a new employee at a certain point in the list, select the name you want the user to come before in the list. Type over the information with the new user's information. When finished, press ***INSERT***. This will put the new user ahead of the person you selected.

15. Anytime information is changed for a user, use the ***MODIFY*** command when finished to save all changes.

16. To move between users in the general configuration screen, use the side toolbar under the word list. This will advance to the next or previous user.

OPERATOR INSTRUCTIONS

1. If you have a barcode/magnetic stripe scanner or a HID/CASI-RUSCO™ proximity reader, simply swipe the card. Otherwise click a name in the main selection window to begin a test. If no mouse is installed, press the arrow keys to move the cursor and press Enter. The operator's information window should appear and the 'Press Button' window should also pop up.
2. Press and hold the tester button until the PRESS BUTTON window disappears and the test measurements are displayed on the main window. All the results and any error messages should be displayed (if software is enabled all readings will instantaneously be recorded in the database).
3. Click the 'Cancel button' (or press Enter key) to return to the 'Name Selection' menu. This will be automatic (10 second delay) when using cards and by checking off the 'USE ID' and 'DON'T SHOW NAMES' under 'General Configuration'.

REPORT GENERATION:

There are eight types of employee reports that can be generated from the ACL-750 software: DAILY, MONTHLY, ENTIRE LOG, EXCEPTIONS, ATTENDANCE, MONTHLY VACATION, EMAIL and CERTIFICATION EXPIRATION. Each of these reports will interpret information collected from employee testing. A monthly report can be generated, displayed, or printed at any time by pulling down the Reports menu. The information presented includes. Person, ID number, department number, date, time, value in ohms of the test. The file REPORT.TXT may be imported into other applications (see below). A FONT size of 7.5 was recommended in order to print a full month on a standard size of paper.

The log file LOG.TXT may be viewed by selecting the 'View Log" item in the 'Report Menu'. This file is a comma separated value (.CSV) text file and may be imported directly into any spreadsheet or data base program. **PRINTER DRIVER SOFTWARE MUST BE INSTALLED TO PRINT REPORTS.**

AUTOMATIC E-MAILED REPORTS

A unique feature of the ACL-750 meter allows users to enable the automatic generation of a report to be sent directly to a supervisor. This requires a MAPI compliant email program such as Windows Outlook or Outlook Express.

1. Fill out the main text window with times, reports, and e-mail address, which reports, will be sent. Separate the fields with spaces, not tabs.
2. An example of how the main text box should be filled out is as follows:

Days	Time	Report	WorkGroup	EmailAddress	Last Executed
MoTuWe	00:00	LogSort	CIA	joe@ACLStaticide.com	
MoThSa	15:06	Monthly	All	bill@ACLStaticide.com	

3. Any line beginning with a semicolon will be ignored as a comment
4. Possible entries for Days are:
   MoTuWeThFrSaSu- one of more of
   La -last day of the month
   Fi -first day of the month
5. Possible entries for Time are:
   01:23 (hour in 24 hr format: minute)
6. Possible entries for Report are:
   LogSort (lo)
   Exception (Ex)
   Certification (Ce)
   Daily (Da)
   Monthly (Mo)
7. Possible entries for Workgroup are:
   All- will use all workgroups
   Any predefined workgroup names established by user
8. Possible entries for e-mail address
   All legitimate e-mail addresses
9. Possible entries for Last Executed:
   The program will fill this in when the report is run. Delete the entry or leave it blank to run the report today.
10. The program requires that a MAPI e-mail program be installed such as Microsoft Outlook, or Outlook Express. The e-mail messages will be placed in the Outlook outbox. Setup Outlook to automatically send e-mail in the outbox every 10 minutes.

LOGSORT NOTES

1. The LogSort should only be run from the server computer.
2. Selecting the LogSort as a report will create a backup and combine the test station log.txt files.
3. Errors will be ignored. To view errors, run the Logsort.exe program directly from Explorer.

NETWORKING THE ACL-750 TESTER

The average network installation will have 1-5 test station computers, and a server. The server may also be used as a test station. All execution files (ESDTest.exe) and data files (Log.txt, Names.txt,ESDTest.ini) are stored locally on the test station computer so that a network or server failure will not affect the test station operation. Each workstation can operate independently of the server.

The test station contains a copy of the master names.txt files, so that a user can be tested at any test station. If the user information is changed on the server master copy, all test stations will automatically read the new information whenever the new copy is downloaded to them.

The main log file is called Log.txt, which stores one line of data every time a user tests. When it is desired to collect and analyze the remote test station data, the server reads the remote test station log.txt files, stores them on the server, appends them to a remote history files called 'loghist.txt' and analyzes the data.

The remote test stations automatically update the time clocks from the server by executing the Synch. bat file.

1. Each day, the data from all the test stations should be gathered to produce an 'exception report'. Double click on 'Combine and Reset Log Files' desktop icon on the server, or run it automatically from the task scheduler or the AutoGenerate Email feature. This will run the LogSort.exe program to:
    a. Rotate the backup logbak1.txt file to logbak2.txt
    b. Rotate the log.txt file to logbak1.txt
    c. Append (and sort-if needed) the test station Log.txt files to the server Log.txt file.
    d. Append each users Log.txt file to its own LogHist.txt file.
    e. Delete each users Log.txt file.
2. Run the daily exception report from the server computer ESDTest program (refer to Help.txt) or from the AutoGenerate Email feature.
3. The LogSort.exe will combine the data from four workstations I:, J:, K:, and L:. For other drives or network computers, place the complete file path on a line in the NetList.txt file. To ignore errors run the logsort.exe program with the '/i command' line option. To close the final window automatically, add the /c option.

The Netlist.txt file will look something like this:
\\teststation1\c\EsdTest
\\teststation2\c\EsdTest
\\teststation3\c\EsdTest

4. If the Log.txt, LogBak1, and LogBak2.txt files grow too large, then:
    a. Delete the LogBak1.txt file and the LogBak2.txt file
    b. Backup the Log.txt file to an external disk or tape drive (if desired)
    c. Either delete the Log.txt file, or use a text editor to remove the old unwanted data

5. The LogSort.exe program is executed by calling it directly. If the LogBak1.txt and LogBak2.txt files grow too fast, edit the AddLogs.bat program to stop them from being created.

6. The Log.txt file should be resent periodically to prevent it from growing so large that it slows down report processing. Click "setup" and select "Reset Log File". It will ask for a backup file name. Large companies should back up the log.txt file to a monthly backup file (for example Log0601 for June 2001). For small companies a back up should be done once every year.

7. If employees are permitted to enter their names if a badge us not recognized, then the individual tests station names.txt files may be consolidated into a mastername.txt file. Run the name.exe file and specify the test station computer paths in the netlist.txt file. The Name.exe file may be run automatically from the Windows Task Scheduler.

Test Station Setup

Refer to the c:\EsdTest\Network.txt help file. Otherwise continue reading below:

1. It is necessary to use any Pentium type PC 166 Mz or greater (although even an old 486DX will work), running Windows 95 or higher (98 / NT / XP), with a 10/100base T RJ-45 type network car, 16MB or higher of ram, 1G disk or greater, and a spare serial port (9 pin preferred).
2. Connect all stations and the server to a central 10/100baseT Rj-45 type Ethernet hub using a star (parallel) arrangement with RJ-45 TPE (twisted pair Ethernet) or category 5 type cables.
3. Name the test stations (like Test Station1), but do not designate a password.
4. Install ESDTest Software (see above).
5. If using the Network setup disks generated by the XP server (see Server Setup 1 below), then just run them. Otherwise, right click on the Network Neighborhood icon, select 'Properties', and check that Client for Microsoft Networks, network care driver software is present. On simple Windows 95 networks, also install NetBeui
6. Click 'File Sharing' (access to all files). Do this ONLY on test stations.
7. In Primary NetWork Logon select 'Client for Microsoft Networks', click the Identification tab
8. Type a computer name (like TestStation1)
9. Type the workgroup name (like ACL Staticide). Do not use spaces.
10. Type a description (like ESDTestStation)
11. Click OK
12. A message will pop up asking you to reboot the computer. Answer "No". Do not allow the computer to restart.
13. Change the logon password in Setting, Control Panel, Passwords to 'no passwords'
14. Copy the ESDTest shortcut and past it to the program toolbar start-up menu
15. Restart the computer
16. Through Explorer, right click on the 'c:ESDTest' directory, select 'sharing' and then select 'all files'.
17. Give it a unique name (like ESDTest1).
18. Do not set up a password on the Server station.

SERVER SETUP

1. Refer to the Network.txt file in the \EsdTest directory for the latest updates, otherwise continue reading below. The easiest way to set up a network is the Network Wizard such as the one that comes with Microsoft Windows XP Pro.
2. Give the server name like 'Server1' and a password.
3. Install the ESDTest software (see above)
4. Right click on the Network Neighborhood icon
5. Select properties, check that Client for Microsoft, network card driver software is present. On simple Windows 95 networks, also select NetBeui.
6. Do not click file sharing. (Only on test stations)
7. In primary Network Logon select Client for Microsoft Networks and click the Identification tab.
8. Type a unique name (like Server1)
9. Type the workgroup name (like ACLStaticide)-do NOT use spaces
10. Type the description Main Sever and click OK.
11. Do not allow the computer to restart.
12. To change the logon password, go to Setting, Control Panel, and edit.
13. In explorer right click on the LogSort.exe program:
    Create a shortcut
    Drag it to the desktop
    Rename it to 'Combine and Reset Log Files'
    Copy it
    Paste it to the program toolbar
13. In explorer, right click on the CopNames.bat program
    Create a shortcut
    Drag it to the desktop
    Rename it from 'CopyName.txt' to 'TestStations'
    Copy it
    Paste it to the program toolbar

14. Restart the computer
15. The 4 test stations should be visible in Explorer NetWork Neighborhood.
16. Edit the NetList.txt file to include all the test stations

SYNCHRONIZING TEST STATION TIME

To maintain the most accurate test results, it is imperative that all networked computer have the same time set.

1. Edit the Synch.bat file in the \EsdTest directory.
2. Place the server name in the NET TIME line:
   NET TIME \\XYZ /SET /YES *XYZ is the server name
3. Save the file
4. Right click on the Synch.bat file , click Properties, and select Close On Exit.
5. If the SYNCH.BAT file already exists in the directory, but the program leaves a small 'Finished' box on the toolbar when it is called, click the Properties box on the Synch.bat file item in Explorer and click the 'Close on Exit' box.
6. The SYNCH.BAT file is included in the installation disk. If no network is used or the time synchronization is not desired, delete or rename the SYNCH.BAT file.

ESDTest FILE ADMINISTRATION

1. Install and configure the computer hardware (see above)
2. Set up the network (see NetWork.txt) Make sure the test stations and their files are visible on Windows Explorer.
3. Put their names into the NetList.txt file.
4. Test Stations are now parallel with the server.
5. At the end of shift, the supervisor presses the 'LOGSORT' icon on the server monitor to execute the LogSort.exe program. (Can also be done on using the Task Manager or AutoGenerate Email report feature).
6. The supervisor clicks 'Reports', 'Exception' and enters the date and supervisor code (Can also be done on using AutoGenerate Email report feature).
7. The supervisor checks that the report printout to see if any employees have failed or did not test.
8. The supervisor can modify the sick leave/vacation status, generate monthly reports, delete any employees that are no longer working at the firm, and can reset the log.txt file to create a back up.
9. To access the master file from a remote manager's computer, set up a short cut with the working directory to be that of the server.

INTERFACING WITH OTHER DATA BASES

To be universally compatible with all other databases, spreadsheets, and word processors, the data is stored in a text file named Log.txt. Each record (row) is the results of one test, including the employee's name, ID, test date, test time, test results, and resistance values. Each of these fields is separated by a comma, so the file is actually in .CSV (Comma Separated Value) format. Importing and exporting to common databases is explained below.

IMPORTING FILES TO EXCEL:

1. To import monthly report files REPORT.TXT into Excel 5.0:
    a. Run Excel
    b. Open REPORT.TXT file
2. To import the file LOG.TXT into Excel 5.0:
    a. Run Excel
    b. Open LOG.TXT file
    c. Text Import Wizard should appear. Choose Delimited
    d. Click on Next
    e. Choose Comma
    f. Click on Finish

For older versions of Excel copy LOG.TXT file to LOG.CSV and open file.
See the help file for more aid in importing instructions.

IMPORTING FILES FROM EXCEL:

Open a Names.txt file with a word processor just to see what a typical file looks like. I t contains name, id, resistance limits, certification expiration dates, and attendance records. However, the only fields required in the Names.txt file are in the first 3 fields- LastName, FirstName, ID. Any missing fields after this will be filled in with default values. The first field (i.e. the first column in Excel) is the Last Name field.

The second field (i.e. the 2nd column in Excel is the First Name field. The combined length of the first and last name field should be less than 17 characters for best report formatting.

The third field (i.e. 3rd column in Excel) should be a combined workgroup-ID: badge number field. It should look like www-iiiiiiiiii:bbbb where www is the 3 character work group designator, iiiiii is the id code (12 char max.) , and bbbbbb is the badge code (12 char. Max.) Save the Excel file as a .csv (Comma Separated Values) file.

Rename this file to Names.txt.

IMPORTING FILES TO MICROSOFT ACCESS:

The Names.txt and Log.txt files are .csv (comma separated values) delimited files. The exception.csv and report.csv are also .csv files. Users can easily import these into Access using the File import method.

To import or link a delimited or fixed-width text file: NOTE: Users can link a table only in a Microsoft Access database, not a Microsoft Access project. IMPORTANT: Before a user import or link data from a delimited text file or fixed-width text file, make sure that the file has the same type of data in each field and the same fields in every row.

Open a database, or switch to the Database window for the open database.

To import data, on the file menu, point to Get External Data, and then click Import. To link data, on the File menu, point to Get External Data, and then click Link Tables. In the Import (or Link) dialog box, in the Files of Type box, select Text Files (*.txt, *.csv, *.tab, *.asc). Click the arrow to the right of the Look In box, select the drive and folder where the file is located, and then double-click its icon. IMPORTANT: if you link to a file on a local area network, make sure that you use a universal naming convention (UNC) path, instead of relying on the drive letter of a mapped network drive in Windows Explorer. A drive letter can vary on a computer, or it may not always be defined; whereas, a UNC path is a reliable and consistent way for Microsoft Access to locate the data source that contains the linked table.
Follow the directions in the Import Text Wizard dialog boxes. Click Advanced to create or use an import/export specification.
Although you usually create a new table in Microsoft Access for the data, you can append the data to an existing table as long as the first row of your text file contains matching field names. If importing a text file takes an unexpectedly long time, it might be because many errors are occurring. To cancel importing, press CNRL+BREAK. In a fixed-width text file, you can ignore fields at the end of a record that contain no data. In addition, the last field with data in the record can be less than the maximum width.

IMPORTING FILES FROM MICROSOFT ACCESS:

In the database window, click the name of the table, query, view or stored procedure you want to export, and then on the File menu, click Export. In the Save As Type box, click Text Files (*.txt, *.csv, *.tab, *.asc). Click the arrow to the right of the Save In box and select the drive or folder to export to. In the File Name box, enter the file name

(Names.csv), and then click Save All. Microsoft Access starts the Export Text Wizard. Follow the directions in the dialog boxes. Click Advanced to create or use an

Import/export specification. Save this as a .csv file (Comma Separated Values File), use commas to separate the fields. When done, rename the file to Names.txt.
The following are the field names:
Field 1 – Last name, Field 2 – First name, Field 3 – Group/ID/Badge, Field 4 – Wrist min, Field 5 – Wrist max, Field 6 – Foot min, Field 7 – Foot max, Field 8 – Wrist enabled (-1 = yes, 0 no), Field 9 – Foot enabled, Field 10 – Leave status, Field 11 – Start date, Field 12 – Stop date, Field 13 – Certification type, Field 14 – Certification expiration, Field 15 – string of 365 attendance characters.

For additional information see the help files in Microsoft Access.

SPECIFICATIONS:

Testing Range: 10^4-10^8 ohms. (10^9 ohms optional and can be specially ordered)

High Range: 2M, 5M, 10M, 25M, 35M, 50M, 75 M, 100M ohms. (1000M can be specially ordered)

Low Range: 500k, 750k ohms.

Display: Red, yellow and green LED buzzer

Accuracy: +/- 5%

Weight: approx 1.0 lb. (454 grams) Meter alone with battery

Battery type/Life: typically over 20,000 measurements with a 9-volt alkaline battery

Continuous power may be run with an external 9-15 VDC power supply.
(Remove battery before running with an external power supply).

CE listed

NIST certificate included

Environment: 32^0F to 100^0F (0^0C to 38^0C); 15% to 95% RH.

Stand: Powder coated industrial grade steel. Color: Black

Footplate: heavy-duty board with plastic laminate and two stainless steel plates

Troubleshooting and Frequently Asked Questions

What are the major problems encountered when setting up a system?

1. Using the wrong communication port.
2. Not checking off the correct report or card identification box in the software.
3.Not setting up the correct electrical limits in the software and matching it to the default settings set up on the DIP switch settings inside the meter.
4.Not reading the help files or instructional manual.
5.If in doubt call ACL Staticide and we will run through the system while you are on the keyboard.
6.Installing the RS-232 cable so it protrudes from the edge of the stand will cause problems because the plug will bend and become dislodged from the jack.
7. Low battery if not using the AC power supply.
8. Not backing up and resetting the test data file Log.txt after one year. Too much data will slow down the system.

My barcode/mag stripe scanner does not read

1. Increase or decrease the speed of the swipe in both directions
2. Turn the card around, offering the readable side
3. Check that the code offered is within the design parameters (Code 39)
4. Check cable connections, remove and re-insert.
5. Check to see if the reader is reading the exact amount of characters on a persons' identification card. If not delete or add the correct numbers.

I want my system to read a card that is not in the system. Does the card have to be installed manually?
No. Check off "Unknown ID configuration. This will ask if the card should be added. Check yes and add the name of the card.

If a failed tested is repeated and passes and the report says the person failed what is wrong?
The test station times are not synchronized. All test stations *must* be set with the same time.

How do I hook up the two pig tail wires which are on the "special" meter to open doors?
The relay circuit is normally open. When the test results are passed, the two leads will close because of the activation of the low voltage relay in the meter and allow the passage of a maximum of 24 volts at 500milliamps through the relay to the door. See the connection diagram listed above.

How do I change the regional settings?
Make sure the regional settings are mm/dd/yyyy and not mm/dd/yy. To change click start, settings, control panel, regions, dates, short date setting= mm/dd/yyyy.

When the reports are printed slow what should be done?
The log.txt file should be reset periodically to prevent it from growing so huge that it slows down the report processing. Click on "setup" and then select the "Reset Log File" item. It will ask for a backup file (for example Log0699.txt for June 1999) For small companies this should be done at least once a year on January 1st. Every January 1st, the LogHist.txt on the test station computers should also be deleted. You may also want to check with Windows Explorer to see if there are any other huge files with recent dates.

What can be done if a password is forgotten?
Open the EsdTest.ini file with a word processor program. You will see the password on one of the lines marked Password.

How big a system is needed on the computer?
Suppose you have 2500 people in a company and they test three times a day for 280 days. Each data entry has approximately 80 characters. Therefore you need 168 megabytes or fewer than 2 Gigs hard drive capacity. If the file is reset each month a smaller hard drive will be required.

What can be done if the readings for the foot wear are low?
Check the footplate wire. Insert the wire completely into the meter. Workers wearing leather shoes that are wet will produce low readings.

How far can the computer/monitor be located away from the ACL-750?
Probably 50 feet with a normal RS-232 cable and up to 200 feet with special low capacitance cable and up to a mile with a RS-485 converter. However, the computer monitor should be visible to the employee to tell if there is a problem, inform the user regarding certification dates, or desire to print out reports. If using a USB to serial converter, make sure that the converter is located close to the computer, since USB cables can only be a few meters long.

The customer has all their employee details on an Excel spreadsheet. Can you download this information directly from Excel, instead of inputting each record separately?
Yes. All the information is in the enclosed manual. Use one row for each employee, and make sure the columns follow our format, then save the file in a .csv format which will create a text file with the fields separated by commas, then rename the files as names .txt.
To set up the first time, just do the opposite with our present names.txt file. Copy the names.txt file to names .csv and open it with Excel. This will show you what it looks like in Excel. You do need at least the two first columns (names and ID number) to make a names.txt file, the EsdTest program will use default values for the rest of the columns if you do not supply them.

Currently if a user tests, fails, tests again and passes, the report will only show the pass. Is there any way to record the full history of test results?
All test results are stored in the log.txt file. You can see it in the Entire log report, the Daily log report, or in the individual log report, which is now available on version 6.42 software.

I would like to know if we can make the reports more user friendly like the Windows format not like the DOS format?
The monthly report is abbreviated so that all 31 days fit across one page. The other reports also fit across a page. Every report generates two files-a .txt and a .csv file so that you can import the report into your favorite word processor or spreadsheet program and then do anything you want with it.

Can you change, modify the system while it is performing tasks?
Typically the administrator will update the server names.txt file and then download it to the individual test stations. The individual test station will read the new names.txt file and then download it to the individual test stations. The individual test station will read the new names.txt file just before someone tests. So the answer is yes.

Regarding the " leave status" buttons, can they be modified to show criteria that is specific to the user company?
Yes. See the help file.

What is the maximum number of records that can be stored on the system?
It depends on the hard drive of the server or computer being used. A 1-2 Gig system should keep 5000 employees' three tests per day for a year. After a year save all the data on a CD.

Is there any "Idiot Guide " to the combo tester available. Is there any information available besides what is on the HELP file?
Yes. Open up the C drive and locate the ESD program. Open explorer and see the expanded individual window help files.

What can I do if my HID or CASI/Rusco card does not work?
See the card reader trouble shooting sections above.

Can we use a USB cord?
Yes. You can purchase a RS-232 to USB converter for under $65.00

I am having problems getting email from my individual work groups. Any ideas?
The work group designator can only be 3 characters long.

Can we test constant monitor wrist straps to see if they actually drain a charge from your body?
Yes you can. Merely insert the 3.5 mm plug into the 3.5 mm jack and press the test button.

Once I set the time for the automatic email it does not execute. I have an email program running always in the background. Why is it not working?

Make sure you have a MAPI compliant program such as Microsoft Outlook Express or Microsoft Outlook.

Try just entering a couple of lines in the Autogenerate Email editor window. Make sure the right hand LastExecuted field is empty.

```
;Days                Time   Report    WorkGroup   Email Address       Last Executed
MoTuWeThFrSaSu   00:01 Exception   CIA         joe@xyzmail.com
```

Press the Start button in the Autogenerate Email window.

The system should generate an exception report for the CIA workgroup, and generate an email at joe@xyzmail.com. If you look in your Microsoft Outlook Express Out or Sent folder, you should see it there. The system should then add the time it did this to the last field as shown below:

```
MoTuWeThFrSaSu  00:01  Exception   CIA        joe@xyzmail.com     3/8/2002  08:47
```

The HelpAutoGen.txt file is listed below:

Automatic report generation help.

Fill out the main text window with the times, reports, and email addresses to be sent. The standard copy (control Insert) and paste (Shift Insert) shortcuts can be used to fill out the text window. Separate the fields with spaces, NOT tabs.

An example of filling out the main text box is shown below:

```
Days                 Time    Report     WorkGroup   Email Address   Last Executed
MoTuWeTHFrSaSu   00:00  LogSort      CIA          joe@xyzmail.com
MoTuWeThFrSaSu   00:00  Exception    CIA          joe@xyzmail.com
WeThSaSu             15:05  Certificate    All          sam@xyzmail.com
Su                   15:06  Monthly      All          bob@xyzmail.com
WeThSaSu             17:07  DailyLog     All          sue@xyzmail.com
```

Any line beginning with a semicolon will be ignored as a comment.

Possible entries for Days:

MoTuWeThFrSaSu (one or more of)
La (Last day of month)
Fi(First day of month)

Possible entries for Time:

01:23 (hour in 24 hour format:minute)

Possible entriesfor report:

LogSort (Lo)
Exception (Ex)
Certification (Ce)
Daily (Da)
Monthly (Mo)

Possible entries for Workgroup:

The word “All” will use all the work groups and all the predefined workgroup designators

Possible entries for Email addresses:

Any legitimate email addresses.

Possible entries for Last Executed:

The program will fill this in when the report is run.
Delete the entry or leave it blank to run the report today.

LogSort Notes:

If LogSort is run, it should be from the server computer,
Selecting LogSort as a report will back up and combine the test station log.txt.files. It will:

a. Rotate the backup logbak1.txt file to logbak2.txt.
b. Rotate the log.txt file to logbak1.txt.
c. Append (and sort if needed) the test station Log.txt files to the server Log.txt file.
d. Append each users Logtxt file to its own LogHist.txt file
e. Delete each users Log.txt file. Errors will be ignored. To see errors, run the Logsort.exe program directly from Explorer. The LogSort.exe program will combine the data from four workstations I:,J:,K:,L:. For other drives or network computers, place the complete file on a line in the NetList.txt file. Thus the Netlist.txt file will look something like :

\\teststation1\EsdTest
\\teststaton2\EsdTest
\\teststaton3\EsdTest
\\teststation4\EsdTest

or for some operating setups may look like:

\\teststation1\c:\EsdTest
\\teststation2\c:\EsdTest
\\teststation3\c:\EsdTest
\\teststation4\c:\EsdTest

If the Log.txt, LogBak1.txt, and LogBak2.txt files grow too large, then :

a. Delete the Logbak1.txt file
b. Delete the LogBak2.txt file.
c. Backup the Log.txt file to an external disc or tape drive if desired.
d. Either delete the Log.txt file, or use a text editor to remove the old unwanted data.

The Log.txt file should be reset periodically to prevent it from growing so huge that it slows down report processing. Click on “setup” and then select the “Reset Log File" item. It will ask for a backup file name.

For very large companies, it may be desirable to backup the log.txt file to a monthly backup file (for example Log0699.txt for June 19999). For small companies, this should be done at least once per year on January 1st.

Every January 1st, the LogHist.txt on the test station computers should also be deleted. If while generating reports to email, Outlook Express generates a warning message saying ”An application is attempting to send an email in your name”, then disable the messages by opening Outlook Express, clicking Tools, Options, Security, Virus protection, and uncheck the box that says “ Warn me if other applications try to send mail as me.”

I tried the generating of the Exception Report, both manually and through email. But, still it does not have the most recent update. Am I doing something wrong?

By “most recent update” do you mean that it generates a report but not with he most recent test data?
If this is the case, run the Reports, View Entire Log. Make sure the most recent test date is there. If not, and if you are running from a server (i.e. you are not running from the local test station), you either need to run the Logsort.exe program (manually or automatically), or have all test stations running from the same log.txt file by settings their working directories to the same folder. We recommend the logsrt.exe method. Please read the network.txt file on how to set up the netlist.txt file with the proper test station paths.

Does the Exception Report get updated automatically after each test?

No. The exception report does not get updated after each test, it needs to be run either:

1. Manually from the Reports, Exception menu or
2. Automatically from the autogenerate mail window.

When the operator scans his/her badge the DOS window pops up and I have to move it around in order to remove the monitor and because it does not close automatically I always have to kill the window myself. What can I do?

The DOS window is caused by the Synch.bat program (See Network.txt). If you are running multiple test stations you need to synchronize the ties to the server If you have another way of doing this then just rename the synch.bat file to something else like Synch.bak and disregard the rest of the instructions listed below:

1. Using Windows Explorer, right click on the Synch.bat file, select Edit (this will open the Synch.bat file in Notepad for editing) and make sure the server computer name is correctly saved and exit.
2. Using Windows Explorer, double left click on the Synch.bat file to run it. Make sure it runs correctly with no error message. Close the DOS window.
3. Using Windows Explorer, right click on the Synch.bat file, select properties and click the box that says “ Close on Exit”.

More troubleshooting tips are available through ACL Staticide’ customer service Meter Department. Special systems can be ordered from ACL Staticide, which will open doors, print labels, or have an upper limit of 1000 megohms.

Limited Warranty:

ACL Staticide warrants for a period of one year from the date of purchase the ACL-750 will be free of defect in material. Within the warranty period the meters will be replaced free of charge. Any meters returned shall be shipped prepaid to ACL Staticide along with a return authorization number and proof of purchase.

Exclusions.

The above warranty will not apply to defects or damage due to accidents, misuse, design alterations, neglect, operator error, failure to clean or maintain the meters.

Limitations:

In no event shall ACL Staticide be responsible for any loss, damage, injury, direct or consequential, arising out of the use of or the inability to use the meters. Before using, users shall determine the suitability of the product for their intended use. Users will assume all risk and liability what so ever in connection therewith.

Software License Agreement;

ACL Staticide is willing to license the enclosed software only upon the condition that one accepts all of the terms of the license agreement. Please carefully read all of the terms of this agreement prior to opening the software agreement. By opening the envelope you accept the terms and conditions of this agreement.