



ACL 750USB Combo Tester

Software provides documentation for ISO 9000

The ACL 750USB Combo Tester measures electrical resistance of wrist straps and heel grounders simultaneously and individually. The ACL 750USB can do what pass/fail testers cannot—give actual resistance readings and store data.

When the software is used, test results are stored on a computer which allows the user to monitor and analyze test information and help manage a company's static control program.

Test results can be stored in the software with annual back-ups. Creating reports will help guide internal policies and improve a company's productivity. Reporting will direct attention to problem work areas, employees who routinely fail, trends over time, and much more.

Features:

- Tests both wrist straps and heel grounders simultaneously and individually at a safe 19 volts
- Accommodates both U.S. standard and dual wire wrist straps
- Reads actual resistance of wrist straps and heel grounders from 500 kilohms up to 100 megohms, with an option up to 1000 megohms
- Allows employee access by keyboard, barcode, or proximity card
- Allows for new employees to be added
- NIST-traceable calibration certificate
- Made in the U.S.A.

Product# 750USB: includes tester with USB cable, footplate, and stand

Product# 750USBWS: includes tester with USB cable and footplate

Ideal for the following applications:

- EPAs following ANSI/ESD S20.20
- ISO-certified electronic manufacturing companies
- Electronic assembly

SPECIFICATIONS:

- ⊗ **Accuracy: ± 10% (tester only)**
- ⊗ **Environment: 32°F to 100°F (0°C to 38°C); 15% to 95% RH**
- ⊗ **Test voltage: 19 volts DC ± (open circuit)**
- ⊗ **Adjustable resistivity limits**
- ⊗ **Conforms to ANSI ESD S20.20, IEC, and CECC standards**
- ⊗ **Wrist strap and footwear resistance ranges:**
 - Low Range: 500k, 750k ohms
 - High Range: 2M, 5M, 10M, 25M, 35M, 50M, 75M, 100M ohms
- ⊗ **Optional accessories:**
 - **ACL 746:** Special eprom setting
 - **ACL 740:** Circuit relay for security doors
 - **ACL 795:** Calibration box for on-site calibrations

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SOFTWARE FEATURES:

- ✿ Generates reports for emailing and printing: Monthly Test Results, Entire Log, Daily Log, Employee Failure Exception, ESD Certification Expiration, Employee Attendance, Employee Vacation
- ✿ Automatically generates and emails reports to one or more recipients
- ✿ Accepts up to 30,000 employees
- ✿ Can limit reports to specific work groups
- ✿ Can easily import report files into spreadsheet or database software
- ✿ Can import company's employee list/data from MS Access and Excel
- ✿ Allows for supervisor to password-protect software settings and reports
- ✿ Allows for employee information to be password-protected
- ✿ Can be upgraded to allow electronically locked doors to open or bells to ring when user wrist straps and heel grounders are in tolerance
- ✿ Prevents unauthorized entry without proper ID card
- ✿ Compatible with Windows operating systems
- ✿ Can connect multiple test stations to LAN network or intranet
- ✿ Accepts and displays international dates and times
- ✿ Limits access to employees with expired certification

ACL Incorporated ESD Protection Test Results

Operator Information

Operator's Name: **Czanyi, Sandor**

Date: **06-22-2010** Time: **15:45:03**

Wrist Strap: **Required** Foot Strap: **Required**

Wrist Low Setting: **.75 Meg** Foot low Setting: **.75 Meg**

Wrist high setting: **10 Meg** Foot high Setting: **100 Meg**

Action:

Multiple problems

Left foot is high. Right foot is high.

Received: **W=02.74M-OK, L=99.99M--, R=99.99M--, 00.75M-W <10.00M, 00.75M-F-99.98M**

Results

Wrist: **OK = 2.74 Meg**

Left foot: **"HIGH" > 100 Meg** Right foot: **"HIGH" > 100 Meg**

ACL Incorporated ESD Protection Test Results

Operator Information

Operator's Name: **Rollins, Hank**

Date: **06-22-2010** Time: **16:03:23**

Wrist Strap: **Required** Foot Strap: **not used**

Wrist Low Setting: **.75 Meg** Foot low Setting: **.75 Meg**

Wrist high setting: **10 Meg** Foot high Setting: **100 Meg**

Action:

OK

Readings OK thank you. Please press the Enter key or click on Cancel.

Received: **W=05.09M-OK, L=99.99M--, R=99.99M--, 00.75M-W <10.00M, 00.75M-F-99.98M**

Results

Wrist: **OK = 5.09 Meg**

Left foot: **not used > 100 Meg** Right foot: **not used > 100 Meg**

*Log.txt - Notepad

LastName	FirstName	ID#	Date	Time	WristStat	LeftStat	RightStat	WristR	LeftR	RightR
Botkins, Mary Kay			07-07-2021	14:56:45	Whi	L-				
Kaiser, Dan			07-27-2021	09:48:41	Wok	L-				
Wrench, Monkey			07-27-2021	09:48:55	Whi	L-				
Botkins, Mary Kay			07-27-2021	09:49:08	ComFail					
Botkins, Mary Kay			07-27-2021	09:49:20	Wok	L-				
Guanzon, Carrissa			07-27-2021	09:52:58	Whi	Lhi				
Guanzon, Carrissa			07-27-2021	09:53:16	Whi	L-				
Guanzon, Carrissa			07-27-2021	10:20:53	Wok	L-				
Botkins, Mary Kay			07-27-2021	10:21:40	Wok	L-				
Botkins, Mary Kay			07-27-2021	10:21:50	Whi	L-				
Botkins, Mary Kay			07-27-2021	10:23:36	Wok	L-				
Gutierrez, Ivonne			08-11-2021	12:58:38	Whi	L-				
Gutierrez, Ivonne			08-11-2021	12:58:56	Whi	L-				
Munson, Brandon			11-19-2021	08:28:06	Whi	Lhi				
Jaghdooi, Ali			11-19-2021	08:30:15	Whi	Lhi				
Jaghdooi, Ali			11-19-2021	08:32:42	ComFail					
Botkins, Mary Kay			11-19-2021	13:02:56	Whi	L-				
Jarzemski, Bruno			11-19-2021	13:06:38	Whi	Lhi				

ISO-9000 ESD Protection Daily Log Report ACL Incorporated as of 6/23/2010 13:28:47

Stat key: ok=in range, hi=resistance too high, lo=resistance too low, --not used

LastName	FirstName	ID#	Date	Time	WristStat	LeftStat	RightStat	WristR	LeftR	RightR
Botkins, MaryKay		CIA-1234	1/4/2010	12:25:56	W-	Lhi	Rhi		100.00	100.00
Clark, Paul		CIA-4256830042	1/4/2010	13:28:39	W-	Lhi	Rhi	02.40	100.00	100.00
Murphy, Clark		CIA-1195	1/4/2010	13:28:46	W-	Lhi	Rhi	02.06	100.00	100.00
Rogan, Seth		CIA-1237	1/4/2010	13:31:43	Wok	L-	R-	02.39	--	--
Malou, Red		CIA-128	1/4/2010	13:32:07	Wok	L-	R-	04.77	--	--
Czanyi, Sandor		CIA-008	1/4/2010	13:32:42	Wok	L-	R-	02.48	--	--
Botkins, MaryKay		CIA-1234	1/4/2010	13:33:07	W-	Lhi	Rhi	02.23	100.00	100.00
Botkins, MaryKay		CIA-1234	1/4/2010	13:40:59	Wok	L-	R-	05.86	--	--
Botkins, MaryKay		CIA-1234	1/4/2010	13:42:00	Wok	L-	R-	02.96	--	--
122, Micah		CIA123456789-122	1/4/2010	13:51:21	Whi	Lhi	Rhi	100.00	100.00	100.00
Atti, Angel garcia		CIA-4012	1/4/2010	13:51:46	Wok	Lhi	Rhi	03.53	100.00	100.00
Bankok, Perfecto		CIA-41	1/4/2010	13:52:58	Wok	Lhi	Rhi	03.64	100.00	100.00
Botkins, Peter		FBI-9	1/4/2010	13:54:02	Wok	L-	R-	03.97	--	--
Butts, Saquita		CIA-2247078998	1/4/2010	13:54:11	Wok	Lhi	Rhi	04.83	100.00	100.00
Grissom, Gill		CSI-002	1/4/2010	14:17:04	Wok	Lhi	Rhi	03.16	100.00	100.00
Grissom, Gill		CSI-002	1/4/2010	14:17:08	Wok	Lhi	Rhi	02.50	100.00	100.00