

# Cable Harness Tester

QUICK START GUIDE



TEST MORE. TEST FASTER. TEST FOR LESS.

## **Cable Harness Tester**

**Quick Start Guide** 

### **1** Required Items

Please make sure following items are available to use **Cable Harness Tester** :

- Cable Harness Tester
- USB Cable
- Harness Tester PC Application
- Windows PC (Windows 7 and above)
- Power Supply Adapter (12VDC,5A)

### 2 Hardware Setup

- Connect the USB cable between Cable Harness Tester and PC.
- Connect 12VDC power adapter to Cable Harness Tester



## **3** Application Setup

• Download the **"Release.rar"** zip folder to the working directory of windows and extract that into the same folder.

lame	✓ Date modified	Туре	Size	
Database	15-12-21 02:25 PM	1 File folder		
x64	13-12-21 07:43 PM	1 File folder		
x86	13-12-21 07:43 PM	1 File folder		
CableHarnessApp.Common.dll	11-12-21 07:24 PM	Application exten	26 KB	
🗟 CableHarnessApp.Common.dll	03-12-21 09:46 AM	M XML Configuratio	2 KB	
CableHarnessApp.Common.pdb	11-12-21 07:24 PM	1 Program Debug D	58 KB	
😳 CableHarnessApp	11-12-21 07:24 PM	1 Application	8,907 KB	
🖄 CableHarnessApp.exe	03-12-21 09:46 AM	M XML Configuratio	3 KB	
CableHamessApp.Model.dll	11-12-21 07:24 PN	1 Application exten	12 KB	
CableHarnessApp.Model.pdb	11-12-21 07:24 PN	1 Program Debug D	60 KB	
CableHarnessApp.pdb	11-12-21 07:24 PM	1 Program Debug D	330 KB	
CableHarnessApp.Repository.dll	11-12-21 07:24 PM	Application exten	21 KB	

- Click on the Green Color "Cable Harness App" icon to open the AEM Cable Harness Tester PC Application
- Upon successful initialization of Application, Application shows GREEN LED for Firmware version and shows "Connected" status at the bottom status bar of application

## 4 Running the Application

- Click **"Configuration"** in the left end side of the application
- Login page will open
- Enter "teq" as password and press "Login"

<b>~</b>	Start Start			00	0000012 Label #	Loed Config				Save	Open	Print
Resistance	Config Na	ime		Version	Part #	Revision	Description			Resu	lt Path	
	Test_Conf	igration		V1.0	xyz							
	# Result	Value (mΩ)	Limit (mΩ)	No of Connectio	ins Color	Short	END 1	END 2	END 3	END 4	END 5	END 6
	1		416-47	1			1_PORT	65_PORT				
	2		41647	1			2_PORT	66_PORT				
	3		41647	1			3_PORT	67_PORT				
	4		41647	1			4_PORT	68_PORT				
	5		41647	1			5_PORT	69_PORT				
	6		41647	1			6_PORT	70_PORT				
	7		416-47	1			7_PORT	71_PORT				
0	8		416-47	1			8_PORT	72_PORT				
figuration	9		416-47	1			9_PORT	73_PORT				
14 2021	<										_	
Version : V1.001											Firmer	Version   Com
e Harness Te	ster											-



- Connect Cable Harness Tester
- Click "Autolearn"
- Press "Ok"
- Wait for 20 seconds for Autolearn to complete
- Press "OK" and cable map is generated succesfullly

WWW.AEM-TEST.COM

customercare@aem-test.com | Version 1.0\*



Sare .

- ×

lesistance	Config Na	me	Version	Part #	Revision	Description			Date		Time	
	# Limit (mΩ)	No of Connection	s Color	END1	END2	END3	END4	END5	END6	END7	END8	Cable Hi
	1 41647	1		1_PORT	65_POR	r					Î	
	2 41647	1		2_PORT	66_POR	r					_	Resista Measure
	3 41647	1		3_PORT	67_POR							
	4 41647 5 41647	1		4_PORT	68_POR	r						
	6 41647	1		6 PORT	70 POR	r						
	7 41647	1		7_PORT	71_POR1							
O	8 41647	1		8_PORT	72_POR							
inguration	9 41647	1		9_PORT	73_POR							
51:34 PM = 14 2021	<										>	
										Firm	were Version Connected	
le Harness Te	ster										- ×	
	Augo Lawr	End Por	Calibration	<b>6</b>	Delete Prov	New	Daen Aus				Pasar	- <b> Ç</b>
esistance	Auto Chain	6940 0-54		200	Delete Row	New	open oeve	Only B3			Pasaword hese:	Configur
asurement	Config N Test Con	figration	Version V1.0	Part #	Revision	Description			Date	1.2021	19:35:49 PM	Dec 14.2 Application Versi
	. Limit	No of	Color	5101	END2	END3	END.	CNDC	ENDC	5107	FNDA	
	# (mΩ)	Connection	IS COIOF	ENUT	ENDZ	ENUS	ENU4	ENUS	END6	ENU/	ENDO	Cable H
	1 41647	1		1_PORT	65_POR	ſ					_	Cable II
	2 41647	1		2_PORT	66_POR	r						<u> </u>
	3 41647	1		3_PORT			×					Resista Measure
	4 41647	1		4_PORT	Auto Learning st	arted, it will take sor	ie time					
	5 41647	1		5_PORT			ок					
	6 41647	1		6_PORT	70_POR	r						
	7 41647	1		7_PORT	71_POR	r						
0	8 41647	1		8_PORT	72_POR	r						
figuration	9 41647	1		9_PORT	73_POR	r						
:10:04 PM o 15 2021	<										>	
version : V1.001										Firm	ware Version   Connected	
											I	
e Harness Tes	iter										- ×	
<u>.</u>	Auto Learn	Load CSV	Calibration	Add	Delete Row	New	Open Save	Save as			Password Reset	19:48:11
sistance surement	Config Na	me	Version	Part #	Revision	Description			Date		Time	Dec 16 2
	Test_Conf	gration	V1.0	хуг					December 14	2021	19:35:49 PM	
	# Limit (mΩ)	No of Connection	Color	END1	END2	END3	END4	END5	END6	END7	END8	😑 Cable H
	1 41647	1		1_PORT	65_PORT						Ŷ	
	2 41647	1		2_PORT	66_PORT							
	3 41647	1		3_PORT			×					Resist Measure
	4 41647	1		4_PORT	Auto Lear	ning is Completed						
	5 41647	1		5_PORT		ОК	1					
	6 41647	1		6_PORT	70_PORT							
	7 41647	1		7_PORT	71_PORT							
<b>D</b>	8 41647	1		8_PORT	72_PORT							

• Click **"Stop"** to stop the resistance measurement and view the results

000000012 Label #

Part # Revision D

Start

Config N

	# Resu	it Value (mΩ)	Limit (mΩ)	No of Connections	Color	Short	END 1	END 2	END 3	END 4	END 5	END 6
	1		41647	1			1_PORT	65_PORT				
	2		41647	1			2_PORT	66_PORT				
	3		41647	1			3_PORT	67_PORT				
	4		41647	1			4_PORT	68_PORT				
	5		41647	1			5_PORT	69_PORT				
	6		41647	1			6_PORT	70_PORT				
	7		41647	1			7_PORT	71_PORT				
Ö	8		41647	1			8_PORT	72_PORT				
Configuration	9		41647	1			9_PORT	73_PORT				
19-48:11 PM Dec 14 2021	<											3
Application Version : V1.001											<ul> <li>Firmware</li> </ul>	Version   Connected
Cable Harness Te	ster											- ×
	6			0000	00010	-						-
	Start			0000	Label #	Load Config				Save	Open	Print
Resistance Measurement	Start	Name		Version P	Label #	Load Config	Description			Save Resul	Open	Print
Resistance Measurement	Start Config Test_Co	Name		Version P	Label # 'art #	Load Config	Description			Save Resul	Open	Print
Resistance Measurement	Stert Config Test_Co # Resu	Name nfigration t Value (mΩ)	Limit (mΩ)	Version P V1.0 x No of Connections	Label # vart # yz Color	Lord Config Revision	Description END 1	END 2	END 3	Save Resul	Cpen It Path END 5	Print END 6
Relatance Measurement	Start Config Test_Co # Result	Name nfigration t Value (mΩ)	Limit [mΩ] 41647	Version P V1.0 x No of Connections	Label # vart # yz Color	Load Config Revision	Description END 1 1_PORT	END 2 65_PORT	END 3	Resul	Cpen It Path END 5	Print END 6
Resistance Measurement	Config Test_Co # Resul 1 2	Name nfigration t Value (mΩ)	Limit (mΩ) 41647	Version P V1.0 x No of Connections 1	Label # vart # yz Color	Load Config Revision	Description END 1 1_PORT 2_PORT	END 2 65_PORT 66_PORT	END 3	Resul	Cpen	Print END 6
Resistance Messurement	Config Test_Cc # Resu 1 2 3	Name nfigration t Value (mΩ)	Limit (mΩ) 41647 41647	Version P V1.0 x No of Connections 1 1 1	Label # lart # yz Color	Load Config	END 1 1_PORT 2_PORT 3_PORT	END 2 65_PORT 66_PORT 67_PORT	END 3	Resul	Copen It Path END 5	Print Print
Resistance	Config Test_Co # Resul 1 2 3 4	Name nfigration t Value (mΩ)	Limit (mΩ) 41647 41647 41647 41647	Version P V1.0 x No of Connections 1 1 1 1 1	Label # kart # yz Color	Load Config	END 1 1_PORT 2_PORT 3_PORT 4_PORT	END 2 65_PORT 66_PORT 67_PORT 68_PORT	END 3	Resul	Cpen It Path END 5	Print Print
Reislane	Config Test_Co # Resu 1 2 3 4 5	Name nfigration t Value (mΩ)	Limit (mΩ) 41647 41647 41647 41647 41647	Version P VL0 av No of Connections 1 1 1 1 1 1 1 1	Label #	Load Cenfig Revision	Description END 1 1_PORT 2_PORT 3_PORT 4_PORT 5_PORT	END 2 65_PORT 66_PORT 67_PORT 68_PORT 69_PORT	END 3	Save Resul	END 5	END 6
Residence	Config Test_Co # Resul 1 2 3 4 5 5 6	Name nfigration t Value (mΩ)	Limit (mΩ) 41647 41647 41647 41647 41647 41647	Version P V1.0 x No of Connections 1 1 1 1 1 1 1 1 1 1 1 1 1	Label # kart # yz Color	Load Config	END 1 1_PORT 2_PORT 3_PORT 4_PORT 5_PORT	END 2 65_PORT 66_PORT 67_PORT 68_PORT 69_PORT 70_PORT	END 3	Result END 4	END 5	END 6
Resistance	Config Test_Co # Resul 1 2 3 4 5 5 6 7	nfigration t Value (mQ)	Limit (mΩ) 41647 41647 41647 41647 41647 41647	Version P V1.0 x No of Connections 1 1 1 1 1 1 1 1 1 1 1 1	zabel # sart # yz Color	Lead Config	Description           END 1           1_PORT           2_PORT           3_PORT           4_PORT           5_PORT           6_PORT           7_PORT	END 2 65_PORT 66_PORT 67_PORT 68_PORT 69_PORT 70_PORT 71_PORT	END 3	END 4	END 5	END 6
Ristans Reserverses	2 3 4 5 6 7 8	Name Infigration	Limit (mΩ) 41647 41647 41647 41647 41647 41647 41647	Version P V1.0 xi No of Connections 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Label # Fart # yz Color	Lead Config	Description           END 1           1_PORT           2_PORT           3_PORT           4_PORT           5_PORT           6_PORT           7_PORT           8_PORT           8_PORT	END 2 65_PORT 66_PORT 67_PORT 68_PORT 69_PORT 70_PORT 71_PORT 72_PORT	END 3	END 4	END 5	END 6
Testare Reserved	Config Test_Co # Result 1 2 3 4 5 5 6 7 7 8 8 9	Name nfigration t Value (mΩ)	<mark>Еітің</mark> 41647 41647 41647 41647 41647 41647 41647 41647	Version P V1.0 x Connections 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Label II Label II yz Color	Load Config Revision	END 1           1_PORT           2_PORT           3_PORT           4_PORT           5_PORT           6_PORT           7_PORT           8_PORT           8_PORT           9_PORT	END 2 65_PORT 66_PORT 67_PORT 69_PORT 70_PORT 71_PORT 72_PORT 73_PORT	END 3	END 4	END 5	END 6
	Config Test_Cc # Resul 1 2 3 4 5 6 6 7 8 9 9	Name nfigration t Value (mC2)	Limit (mΩ) 41647 41647 41647 41647 41647 41647 41647 41647	Version P V1.0 x Connections 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Label # Fart # yz Color	Load Config Revision	Description END 1 1_PORT 2_PORT 3_PORT 4_PORT 5_PORT 6_PORT 8_PORT 9_PORT	END 2 65_PORT 66_PORT 68_PORT 69_PORT 70_PORT 71_PORT 72_PORT 73_PORT	END 3	END 4	Corr It Path END 5	END 6

	PASS				00	10000012 Label #	Load Config				Save	Open	Print	
Resistance leasurement	-	Config Na	ame		Version	Part #	Revision	Description			Resul	t Path		
		Test_Conf	igration		V1.0	хуг								
	п	Result	Value (m $\Omega$ )	Limit (mΩ)	No of Connectio	ins Color	Short	t END 1	END 2	END 3	END 4	END 5	END 6	E
	1	PASS	00802	41647	1			1_PORT	65_PORT					
	2	PASS	02979	41647	1			2_PORT	66_PORT					
	3	PASS	00806	41647	1			3_PORT	67_PORT					
	4	PASS	03620	<b>03620</b> 41647		1		4_PORT	68_PORT					
	5	PASS	01136	41647	1			5_PORT	69_PORT					
	6	PASS	05364	41647	1			6_PORT	70_PORT					
	7	PASS	01317	41647	1			7_PORT	71_PORT					
<b>O</b>	8	PASS	05838	41647	1			8_PORT	72_PORT					
Configuration	9	PASS	01573	41647	1			9_PORT	73_PORT					
19:41:56 PM Deo 14:2021	¢													>
tion Version : V1.001	Mear	urament Star										Freesawa	Version   Connect	er!

Click **"Resistance Measurement"** Click **"Start"** to initiate the resistance

 Click "Start" to in measurement

•

WWW.AEM-TEST.COM

customercare@aem-test.com | Version 1.0

## **Cable Harness Tester**

Quick Start Guide

## Notes/Serial Numbers :

WWW.AEM-TEST.COM

customercare@aem-test.com | Version 1.0



## **Technical Support**

#### Live Phone Support :

Monday - Friday | 8am-5pm (Arizona,USA) T : 480-534-1232 Toll Free : 833-572-6916

Email Monitored 24hrs customercare@aem-test.com

Create an account at www.AEM-Test.com/myaccount

Use MyAccount portal to :

- Submit a technical support request and track status
- Submit a product repair request
- Register your products (upon product registration, receive link to free on-demand training modules)
- Register your Extended Care contract and see status
- Download firmware updates
- Access Knowledge Base

For more information and details specifications, please visit: AEM-Test.com/cableharnesstester

#### AEM International, Ltd.

5560 West Chandler Blvd. Ste.3 Chandler, Arizona 85226 T : 480-531-1232

### AEM Singapore Pte. Ltd.

52 Serangoon North Ave 4 Singapore 555853 T : +65 6483 1811 F: +65 6483 1822

WWW.AEM-TEST.COM

customercare@aem-test.com | Version 1.0\*

WWW.AEM-TEST.COM customercare@aem-test.com | Version 1.0