



Software version	4.14-00
Unit under test	FULL_TEST_su_cavo_ps_pp1_V3
Filename	C:\Users\Public\Documents\CEETIS\Projects\FULL_TEST_su_cavo_ps_pp1_V3.project
Date/Time	09/05/2024 11:24:47
Serial number	Cable01

T e s t   r e s u l t	
Continuity test	2 errors
LV isolation test	No commands
HV isolation test	1 error
Test of electrical components	No commands
Voltage and Current	No commands
Other tests	Pass
F A I L E D	

Ambient Temperature:°C  
Ambient Rel.Humidity:%  
CONTINUITY AND RESISTANCE MEASUREMENTS  
-->LV channels

Parameters for continuity test	
Current=500mA; Threshold=40Ohm; Trise=2ms; Twait=2s; Tmeas=1ms; Auto ranging=On; Voltage limit=48V	

Parameters for continuity test				
Threshold=1Ohm				
✓ Passed	LV1	LV1 S	LV1 Sr	559,4mOhm
✓ Passed	LVreturn1	LVR1 S	LVR1 Sr	557,1mOhm
✓ Passed	LV2	LV2 S	LV2 Sr	563,8mOhm
✓ Passed	LVreturn2	LVR2 S	LVR2 Sr	556,2mOhm
✓ Passed	LV3	LV3 S	LV3 Sr	564,9mOhm
✓ Passed	LVreturn3	LVR3 S	LVR3 Sr	559mOhm
✓ Passed	LV4	LV4 S	LV4 Sr	558,5mOhm
✓ Passed	LVreturn4	LVR4 S	LVR4 Sr	552,6mOhm
✓ Passed	LV5	LV5 S	LV5 Sr	558,2mOhm
✓ Passed	LVreturn5	LVR5 S	LVR5 Sr	553,1mOhm
✓ Passed	LV6	LV6 S	LV6 Sr	548mOhm
✓ Passed	LVreturn6	LVR6 S	LVR6 Sr	551,6mOhm
✓ Passed	LV7	LV7 S	LV7 Sr	567,4mOhm
✓ Passed	LVreturn7	LVR7 S	LVR7 Sr	553,1mOhm
✓ Passed	LV8	LV8 S	LV8 Sr	544,9mOhm
✓ Passed	LVreturn8	LVR8 S	LVR8 Sr	543,6mOhm
✓ Passed	LV9	LV9 S	LV9 Sr	567,3mOhm
✓ Passed	LVreturn9	LVR9 S	LVR9 Sr	558,7mOhm
✓ Passed	LV10	LV10 S	LV10 Sr	562,6mOhm
✓ Passed	LVreturn10	LVR10 S	LVR10 Sr	558,2mOhm
✓ Passed	LV11	LV11 S	LV11 Sr	565,7mOhm
✓ Passed	LVreturn11	LVR11 S	LVR11 Sr	564,6mOhm
✓ Passed	LV12	LV12 S	LV12 Sr	562mOhm
Passed	LVreturn12	LVR12 S	LVR12 Sr	565,7mOhm

✓				
✓	Passed	PH	PH S	PH Sr 571,5mOhm
✓	Passed	PHreturn	PHR S	PHR Sr 558,1mOhm
	--> Drains			
✗	Open	Drain	Drain S	Drain r 625,9MOhm
	HV channels and Tsensor			
	<b>Parameters for continuity test</b>			
	Threshold=15Ohm			
✓	Passed	Tsensor1	TS1 S	TS1 Sr 11,72Ohm
✓	Passed	Tsensor2	TS2 S	TS2 Sr 11,7Ohm
✗	Open	Tsensor3	TS3 S	TS3 Sr >3,936GOhm
✓	Passed	Tsensor4	TS4 S	TS4 Sr 11,67Ohm
✓	Passed	H1	H1 S	H1 Sr 11,58Ohm
✓	Passed	H2	H2 S	H2 Sr 11,8Ohm
✓	Passed	H3	H3 S	H3 Sr 11,54Ohm
✓	Passed	H4	H4 S	H4 Sr 11,66Ohm
✓	Passed	HR1	HR1 S	HR1 Sr 11,6Ohm
✓	Passed	H5	H5 S	H5 Sr 11,74Ohm
✓	Passed	H6	H6 S	H6 Sr 11,5Ohm
✓	Passed	H7	H7 S	H7 Sr 11,83Ohm
✓	Passed	H8	H8 S	H8 Sr 11,78Ohm
✓	Passed	HR2	HR2 S	HR2 Sr 11,66Ohm
✓	Passed	H9	H9 S	H9 Sr 11,89Ohm
✓	Passed	H10	H10 S	H10 Sr 11,77Ohm
✓	Passed	H11	H11 S	H11 Sr 11,45Ohm
✓	Passed	H12	H12 S	H12 Sr 11,52Ohm
✓	Passed	HR3	HR3 S	HR3 Sr 11,54Ohm

INSULATION TEST 1 VS all

--> LV channels

#### Parameters for HV isolation test

Voltage=50V; Threshold=100MOhm; Trise=10s; Twait=3s; Tmeas=1s; Auto ranging=On; Current limit=1,95mA; Tmeas red.=Off; Tmeas fact.=1; Voltage ramp=120V/s

#### Parameters for HV isolation test

Trise=1s; Twait=8s; Tmeas=8s

Passed; LV1; 2311273771.69321; Ohm; 2,311GOhm  
 Passed; LVR1; 1993541157.42706; Ohm; 1,994GOhm  
 Passed; LV2; 1988244827.50544; Ohm; 1,988GOhm  
 Passed; LVR2; 2301396691.46384; Ohm; 2,301GOhm  
 Passed; LV3; 2309193526.26052; Ohm; 2,309GOhm  
 Passed; LVR3; 1663244834.21197; Ohm; 1,663GOhm  
 Passed; LV4; 1290735498.37421; Ohm; 1,291GOhm  
 Passed; LVR4; 1032925156.20429; Ohm; 1,033GOhm  
 Passed; LV5; 2259416624.04094; Ohm; 2,259GOhm  
 Passed; LVR5; 1601703189.78743; Ohm; 1,602GOhm  
 Passed; LV6; 1276406993.25255; Ohm; 1,276GOhm  
 Passed; LVR6; 1144959028.19898; Ohm; 1,145GOhm  
 Passed; LV7; 1625819390.97378; Ohm; 1,626GOhm  
 Passed; LVR7; 1985974797.26275; Ohm; 1,986GOhm  
 Passed; LV8; 1774093257.25668; Ohm; 1,774GOhm  
 Passed; LVR8; 787109863.673495; Ohm; 787,1MOhm  
 Passed; LV9; 2535292844.86757; Ohm; 2,535GOhm  
 Passed; LVR9; 2071526908.10781; Ohm; 2,072GOhm  
 Passed; LV10; 1414965425.21754; Ohm; 1,415GOhm  
 Passed; LVR10; 2298480100.32004; Ohm; 2,298GOhm  
 Passed; LV11; 2004374677.87577; Ohm; 2,004GOhm  
 Passed; LVR11; 1787329239.47976; Ohm; 1,787GOhm  
 Passed; LV12; 1906445997.15821; Ohm; 1,906GOhm  
 Passed; LVR12; 1667787993.86862; Ohm; 1,668GOhm

Passed; PH; 1529818173.94454; Ohm; 1,53GOhm  
Passed; PHR; 1991465713.41551; Ohm; 1,991GOhm  
--> HV channels

**Parameters for HV isolation test**

Voltage=1,2kV; Threshold=1GOhm; Trise=10s; Tmeas=1s

✓ Passed	HV1	H1 F		34,44GOhm
✓ Passed	HV2	H2 F		>98,41GOhm
✓ Passed	HV3	H3 F		>98,41GOhm
✓ Passed	HV4	H4 F		75,2GOhm
✓ Passed	HV5	H5 F		>98,41GOhm
✓ Passed	HV6	H6 F		>98,41GOhm
✓ Passed	HV7	H7 F		>98,41GOhm
✓ Passed	HV8	H8 F		>98,41GOhm
✓ Passed	HV9	H9 F		>98,41GOhm
✓ Passed	HV10	H10 F		>98,41GOhm
✓ Passed	HV11	H11 F		>98,41GOhm
✓ Passed	HV12	H12 F		>98,41GOhm
✓ Passed	HVreturn1	HR1 F		>98,41GOhm
✓ Passed	HVreturn2	HR2 F		>98,41GOhm
✓ Passed	HVreturn3	HR3 F		>98,41GOhm

**Parameters for HV isolation test**

Voltage=50V; Threshold=100MOhm; Trise=1s; Tmeas=2s

✓ Passed	Tsensor1	TS1 F		>4,101GOhm
✓ Passed	Tsensor2	TS2 F		>4,101GOhm
✓ Passed	Tsensor3	TS3 F		>4,101GOhm
✗ Short	Tsensor4	TS4 F	?NotSearched?	<25,51kOhm

**INSULATION GROUP TEST**

--> LV channels

**Parameters for HV isolation test**

Threshold=10MOhm

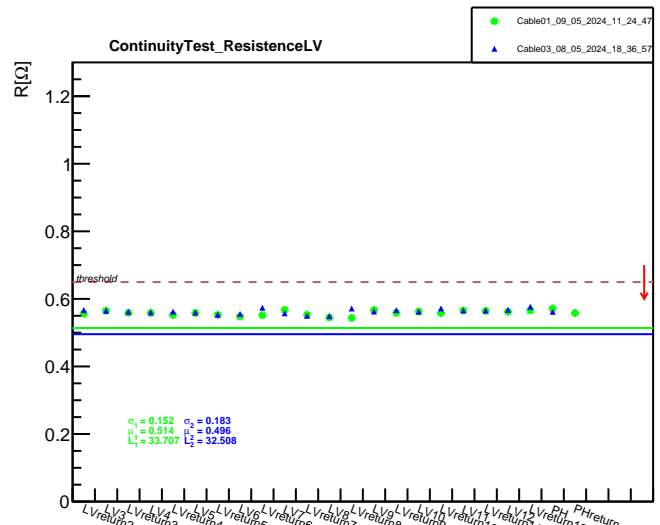
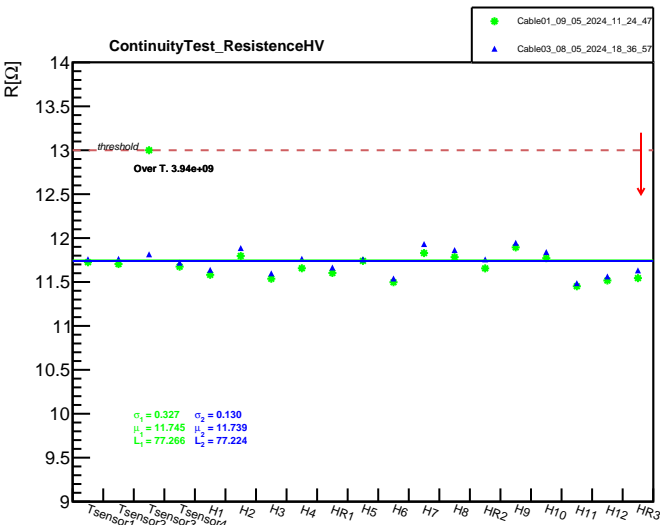
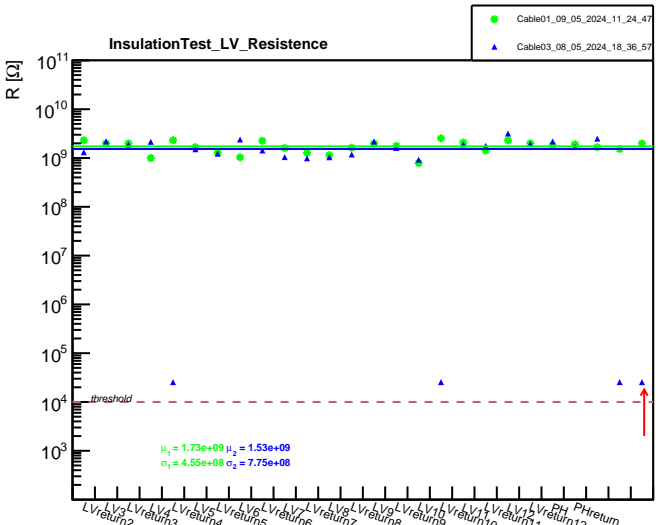
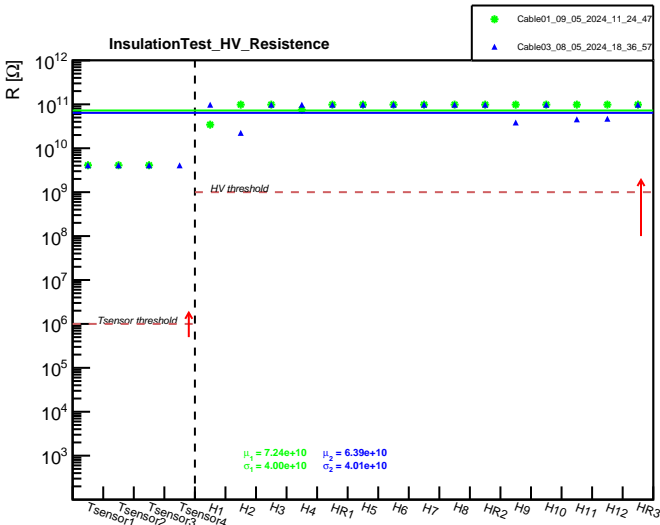
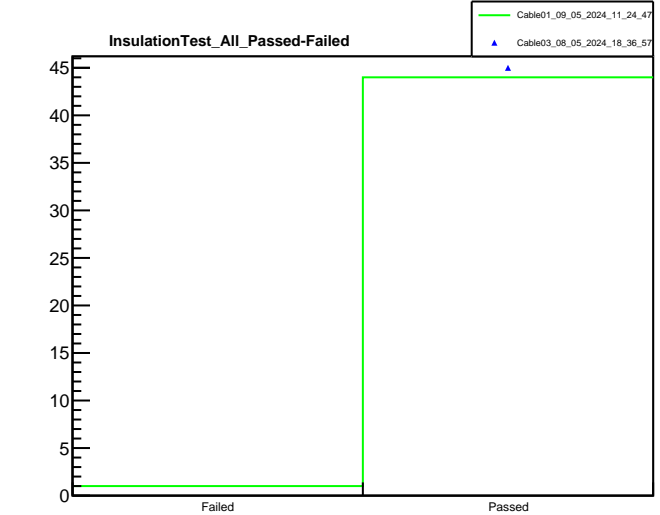
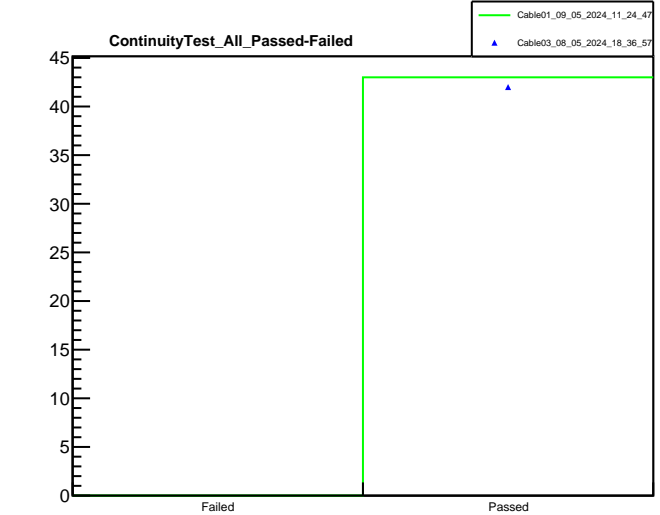
Passed; LV\_group; 136443657.878759; Ohm; 136,4MOhm

--> HV channels

**Parameters for HV isolation test**

Voltage=1,2kV; Threshold=100MOhm; Trise=10s

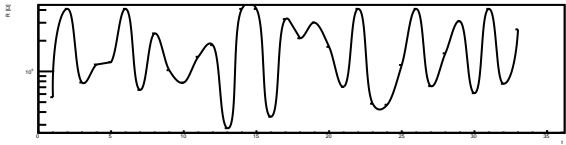
✓ Passed	HV_group	HV	Low group	>4,921GOhm
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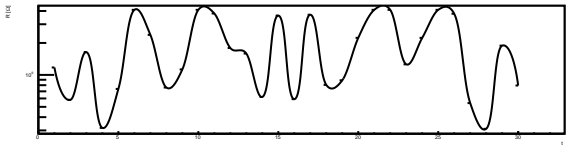
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Parameters :  $\mu=500$ ,  $Thresh.=40$ ,  $T_{rise}=2$  s,  $T_{wait}=2$  s,  $T_{meas}=1$  s,  $V_{lim}=48$

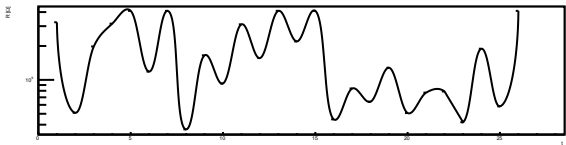
LV1



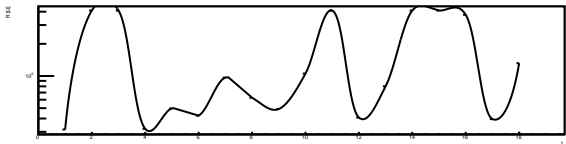
LV2



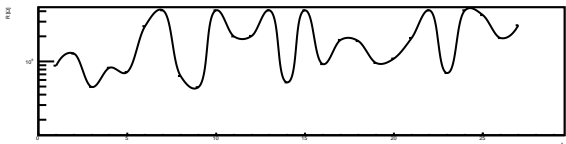
LV3



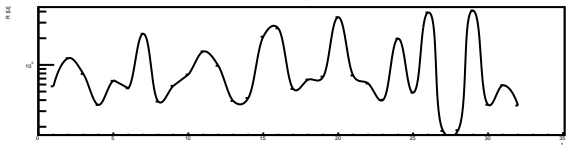
LV4



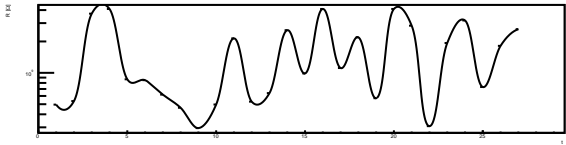
LV5



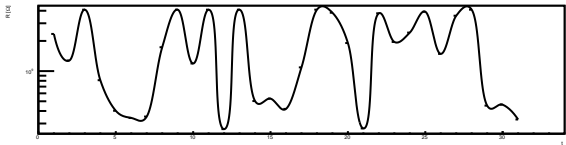
LV6



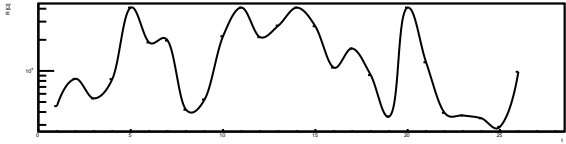
LV7



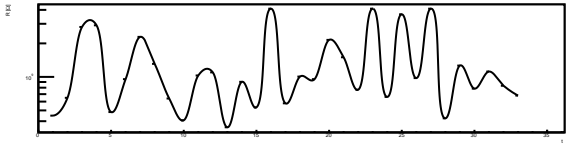
LV8



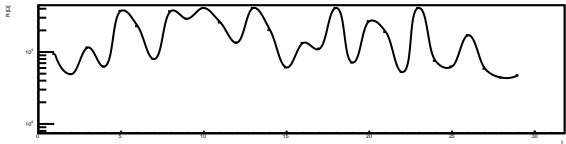
LV9



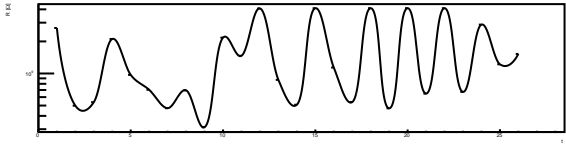
LV10



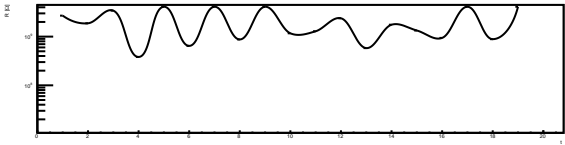
LV11



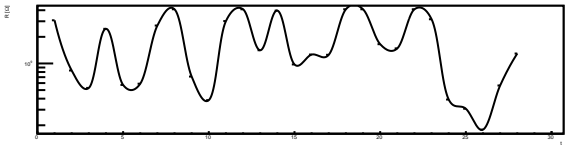
LV12



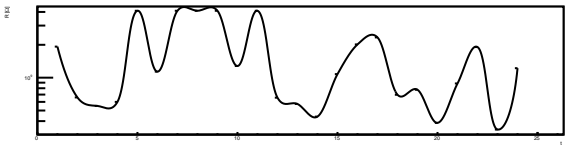
LVR1



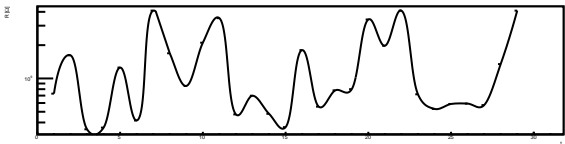
LVR2



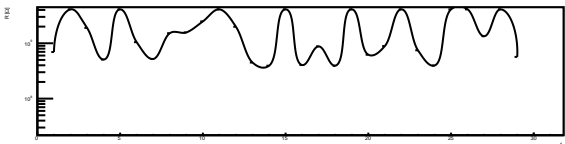
LVR3



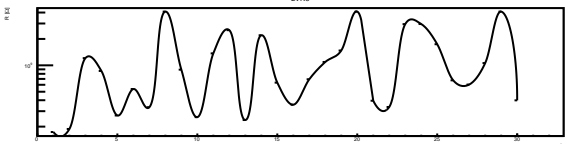
LVR4



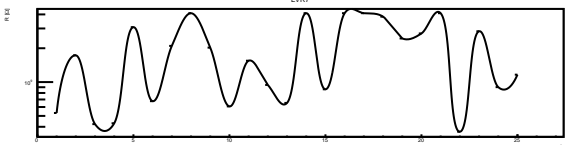
LVR5



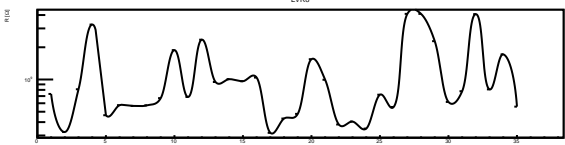
LVR6



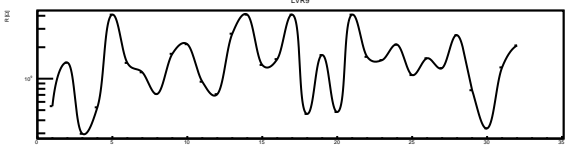
LVR7



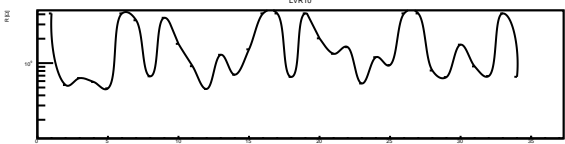
LVR8



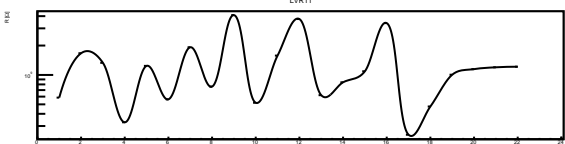
LVR9



LVR10



LVR11



LVR12

