

IN VEHICLE CREW CONSOLE
DP231

REV
A

SH No.
37

PREPD.
Shruti B R

DATE
23/01/25

Ver
1.0

No. OF SH
41

APPRD.
Athif Allam

DATE

APPENDIX 'B' - PERFORMANCE CHECK

TEST DATA RECORD SHEET – 1

Initial Checks

Project : DP231
DUT : In Vehicle Crew Console
Serial No. : 20274003

Date: 27/2/2025

Test Condition: POST - ATP

Test No.	Name of the Test	Status	Remarks
1	VISUAL INSPECTION	<u>PASS</u>	
2	ISOLATION TEST	<u>PASS</u>	
3	POWER ON TEST	<u>PASS</u>	
4	POWER OFF TEST	<u>PASS</u>	
5	SBC TESTING	<u>PASS</u>	
5.1	PROCESSOR DETECTION TEST	<u>PASS</u>	
5.2	RAM DETECTION TEST	<u>PASS</u>	
5.3	SSD STORAGE DETECTION TEST	<u>PASS</u>	
5.4	NETWORK PORT TEST	<u>PASS</u>	
5.5	SERIAL COMMUNICATION PORTS TESTS	<u>PASS</u>	
5.6	USB PORTS TEST	<u>PASS</u>	
6	RS422 – COM 3 PORT TEST (Ubuntu 22.04)	<u>PASS</u>	
7	MEMBRANE KEYBOARD & BEZEL KEYS TEST	<u>PASS</u>	
8	JOYSTICK TEST	<u>PASS</u>	
9	10.2" DISPLAY TEST	<u>PASS</u>	
10	EMERGENCY BUTTON TEST	<u>PASS</u>	

Rug-Rel Rep



DP Rep



Consultant towards Technology & Quality Services

ACCEPTANCE TEST PROCEDURE

DOC
Name
ATP

PART NUMBER
0313-000-274

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TEST DATA RECORD SHEET – 2

Random Vibration – 1

Project : DP231
DUT : In Vehicle Crew Console
Serial No. : R0274003

Date: 27/02/2025

Test Condition:

	Voltage (V)	Current (A)	Red LED Status
X AXIS	28 Vdc	0.83 A	ON
Y AXIS	28 Vdc	0.92 A	ON
Z AXIS	28 Vdc	0.81 A	ON

Rug-Rel Rep

DP Rep



Commitment towards Technology & Quality Services

ACCEPTANCE TEST PROCEDURE

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ATP

PART NUMBER

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TEST DATA RECORD SHEET – 3

Thermal Cycling

Project : DP231

DUT : In Vehicle Crew Console

Serial No. : R0274003

Date: 27/02/2025

Test Condition:

Time	Voltage (V)	Current (A)	Ubuntu Boot Status
10:25pm	28V	0.43A	OK
12:10am	28V	0.91A	OK
1:55am	28V	0.41A	OK
3:40am	28V	0.89A	OK
5:30am	28V	0.44A	OK
7:15am	28V	0.875A	OK
8:55am	28V	0.43A	OK
10:45am	28V	0.92A	OK
12:20pm	28V	0.431A	OK
2:10pm	28V	0.89A	OK
3:55pm	28V	0.41A	OK
5:50pm	28V	0.91A	OK
7:40pm	28V	0.42A	OK
9:25pm	28V	0.92A	OK
11:10pm	28V	0.43A	OK
1:05am	28V	0.89A	OK
2:55am	28V	0.421A	OK
4:30am	28V	0.92A	OK
6:35am	28V	0.43A	OK
8:20am	28V	0.93A	OK

Rug-Rel Rep
[Signature]

DP Rep



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IN VEHICLE CREW CONSOLE DP231

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TEST DATA RECORD SHEET – 4

Random Vibration – 2

Project : DP231
DUT : In Vehicle Crew Console
Serial No. : R0274003

Date: 01/03/2025

Test Condition:

	Voltage (V)	Current (A)	Red LED Status
X AXIS	<u>28Vdc</u>	<u>0.83A</u>	<u>ON</u>
Y AXIS	<u>28Vdc</u>	<u>0.92A</u>	<u>ON</u>
Z AXIS	<u>28Vdc</u>	<u>0.81A</u>	<u>ON</u>

Rug-Rel Rep

DP Rep



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TEST DATA RECORD SHEET – 5

Final Checks

Project : DP231

Date: 27/02/2025

DUT : In Vehicle Crew Console

Serial No. : R0274003

Test Condition:

Test No.	DP test	Status	Remarks
1	VISUAL INSPECTION	pass	
2	ISOLATION TEST	pass	
3	POWER ON TEST	pass	
4	POWER OFF TEST	pass	
5	SBC TESTING	pass	
5.1	PROCESSOR DETECTION TEST	pass	
5.2	RAM DETECTION TEST	pass	
5.3	SSD STORAGE DETECTION TEST	pass	
5.4	NETWORK PORT TEST	pass	
5.5	SERIAL COMMUNICATION PORTS TESTS	pass	
5.6	USB PORTS TEST	pass	
6	RS422 – COM 3 PORT TEST (Ubuntu 22.04)	pass	
7	MEMBRANE KEYBOARD & BEZEL KEYS TEST	pass	
8	JOYSTICK TEST	pass	
9	10.2" DISPLAY TEST	pass	
10	EMERGENCY BUTTON TEST	pass	

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