



Commitment towards Technology & Quality Services

ACCEPTANCE TEST PROCEDURE

DOC
Name
ATP

PART NUMBER

0313-000-274

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. : R0274006

Date: 27/02/2025

Test Condition: POST - ATP

Test No.	Name of the 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	

Rug-Rel Rep

DP Rep



ACCEPTANCE TEST PROCEDURE

DOC
Name
ATP

PART NUMBER

0313-000-274

IN VEHICLE CREW CONSOLE
DP231REV
ASH No.
38PREPD,
Shruti B RDATE
23/01/25Ver
1.0No. OF SH
41APPRD,
Athif Allam

DATE

TEST DATA RECORD SHEET – 2

Random Vibration – 1

Project : DP231
DUT : In Vehicle Crew Console
Serial No. : R0274006

Date: 27/02/2025

Test Condition:

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

Rug-Rel Rep

DP Rep



Commitment towards Technology & Quality Services

ACCEPTANCE TEST PROCEDURE

DOC
Name
ATP

PART NUMBER

0313-000-274

IN VEHICLE CREW CONSOLE

DP231

REV
A

SH No.
39

PREPD.
Shruti B R

DATE
23/01/25

Ver
1.0

No. OF SH
41

APPRD.
Athif Allam

DATE

TEST DATA RECORD SHEET – 3

Thermal Cycling

Project : DP231

Date: 27/02/2025

DUT : In Vehicle Crew Console

Serial No.: R0274006

Test Condition:

Time	Voltage (V)	Current (A)	Ubuntu Boot Status
10:40pm	28V	0.43A	OK
12:25am	28V	0.91A	OK
2:10am	28V	0.42A	OK
3:55am	28V	0.89A	OK
5:45am	28V	0.43A	OK
7:30am	28V	0.92A	OK
9:10am	28V	0.41A	OK
11:00am	28V	0.91A	OK
12:35pm	28V	0.43A	OK
2:25pm	28V	0.93A	OK
4:05pm	28V	0.421A	OK
6:05pm	28V	0.89A	OK
8:00pm	28V	0.41A	OK
9:40pm	28V	0.931A	OK
11:25pm	28V	0.42A	OK
1:20am	28V	0.89A	OK
3:05am	28V	0.431A	OK
4:45am	28V	0.91A	OK
6:50am	28V	0.42A	OK
8:35am	28V	0.89A	OK

Rug-Rel Rep

[Signature]

DP Rep

IN VEHICLE CREW CONSOLE
DP231

REV
A

SH No.
40

PREPD.
Shruti B R

DATE
23/01/25

Ver
1.0

No. OF SH
41

APPRD.
Athif Allam

DATE

TEST DATA RECORD SHEET – 4

Random Vibration – 2

Project : DP231
DUT : In Vehicle Crew Console
Serial No. : **R0274006**

Date: **11/3/2025**


Test Condition:

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

Rug-Rel Rep



DP Rep

 Rug-Rel <small>Commitment Towards Technology & Quality Services</small>	ACCEPTANCE TEST PROCEDURE		DOC Name ATP	PART NUMBER 0313-000-274	
			REV A	SH No. 41	PREPD. Shruti B R
IN VEHICLE CREW CONSOLE DP231			Ver 1.0	No. OF SH 41	APPRD. Athif Allam
			DATE		

TEST DATA RECORD SHEET – 5

Final Checks

Project : DP231
 DUT : In Vehicle Crew Console
 Serial No. : R0274006

Date: 27/02/2025

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	

Rug-Rel Rep

DP Rep