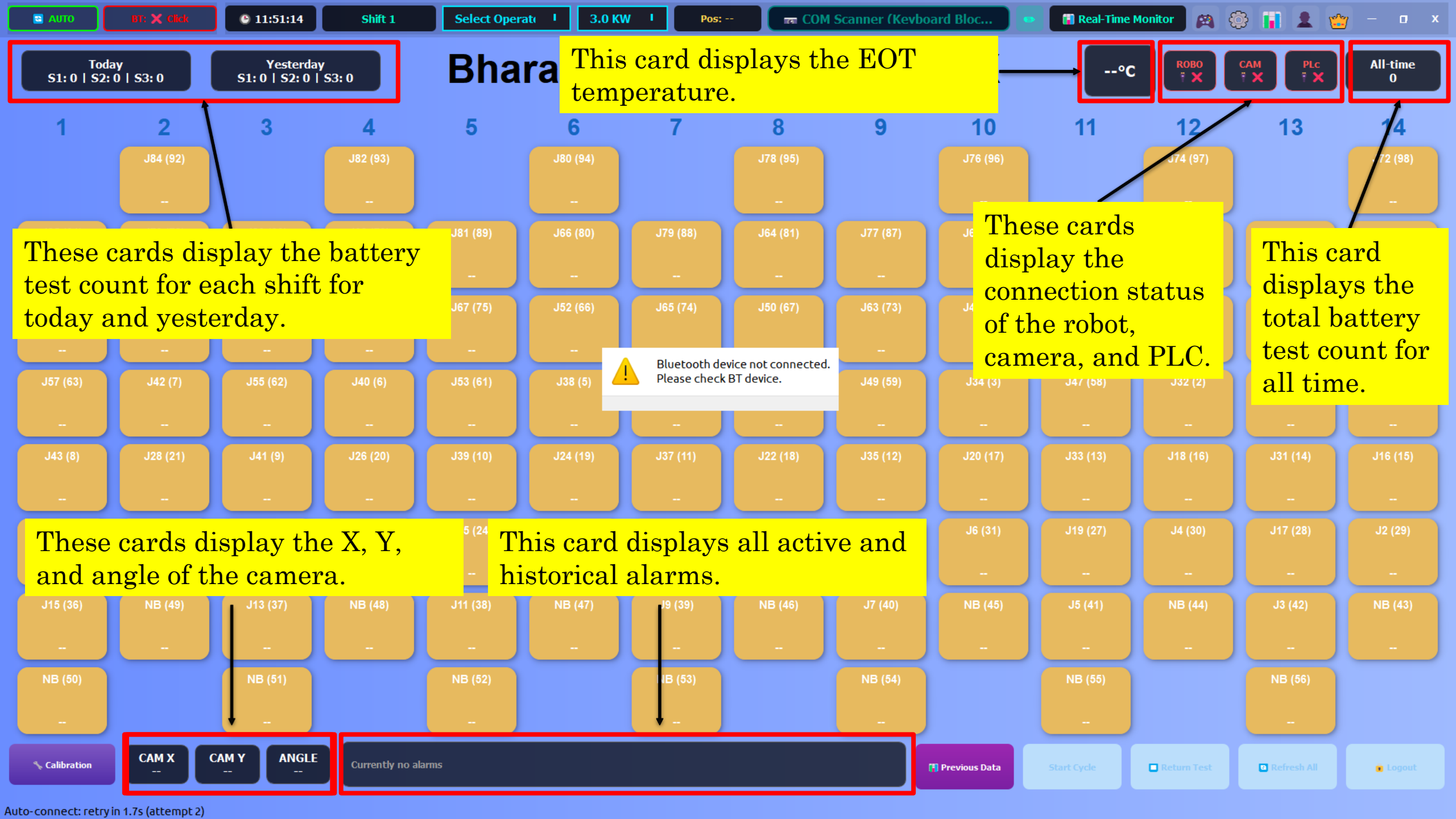
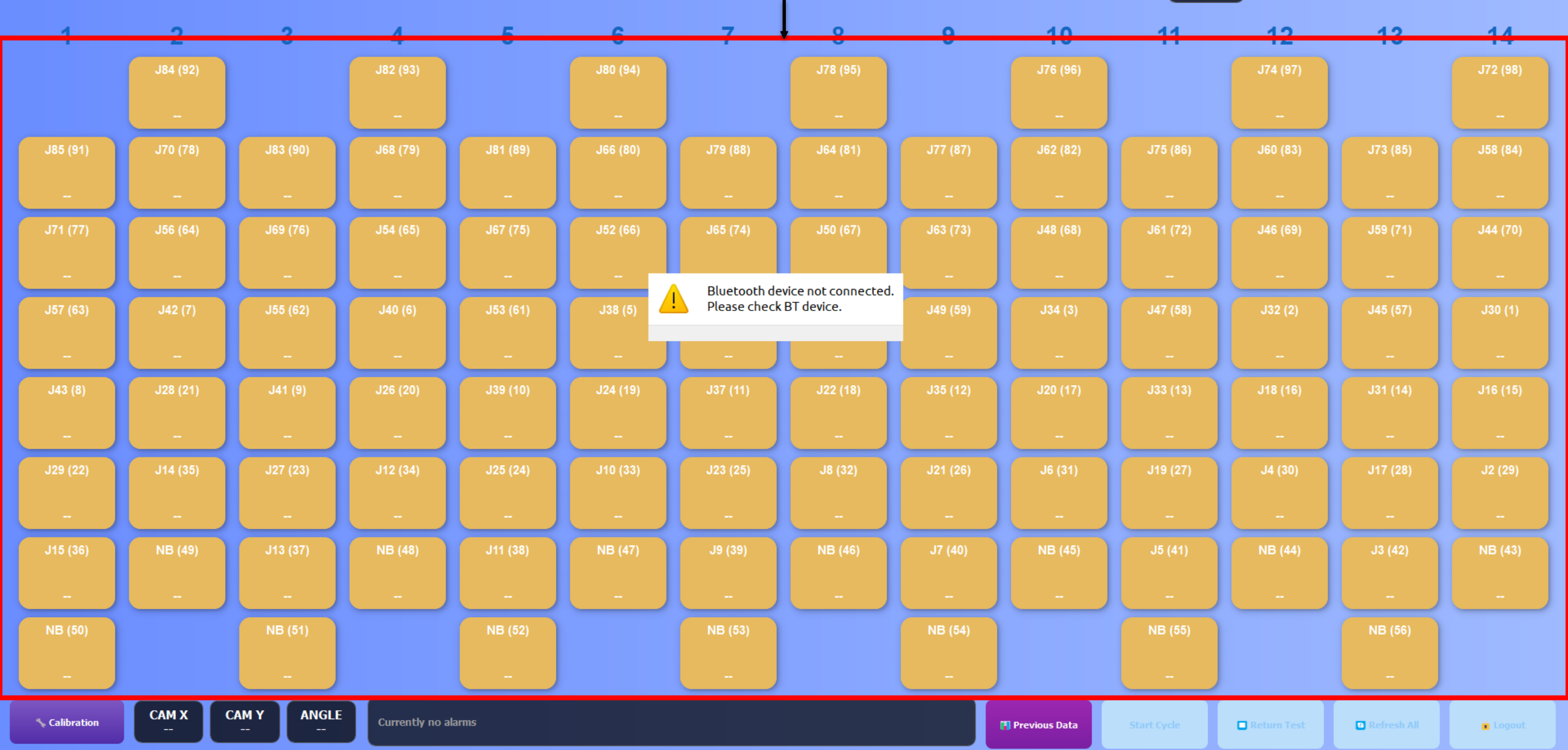


BharatXtronics OHM Matrix

Software User Manual



This is the layout of the battery cell pack, showing all test values in these boxes.



If the scanner is in auto mode, the scanner input box is not editable because the scanner automatically enters data into this field.

If the scanner is in auto mode, the scanner input box is not editable because the scanner automatically enters data into this field.

Auto-connect: retry in 1.7s (attempt 2)

Yesterday
S1: 0 | S2: 0 | S3: 0

All-time

Enter the admin password;
if it is correct, the scanner
mode will switch to manual.

Password:

Login

Cancer

CAM X

CAM Y

ANGLE

Currently no alarms

 Previous Data

[Return Test](#)

Refresh All

 Logout

MANUAL

BT: Click

12:36:40

Shift 1

Select Operatr

3.0 KW

Pos: --

test

Real-Time Monitor

Today
S1: 0 | S2: 0 | S3: 0

Yesterday
S1: 0 | S2: 0 | S3: 0

BharatXtronic

OHM MATRIX

--°C

ROBO
X

CAM
X

PLC
X

All-time
0

1234567891011121314

J43 (8)

J28 (21)

J41 (9)

J26 (20)

J39 (10)

J24 (19)

J37 (11)

J22 (18)

J35 (12)

J20 (17)

J33 (13)

J18 (16)

J31 (14)

J16 (15)

J29 (22)

J14 (35)

J27 (23)

J12 (34)

J25 (24)

J10 (33)

J23 (25)

J8 (32)

J21 (26)

J6 (31)

J19 (27)

J4 (30)

J17 (28)

J2 (29)

J15 (36)

NB (49)

J13 (37)

NB (48)

J11 (38)

NB (47)

J9 (39)

NB (46)

J7 (40)

NB (45)

J5 (41)

NB (44)

J3 (42)

NB (43)

NB (50)

NB (51)

NB (52)

NB (53)

NB (54)

NB (55)

NB (56)

J80 (94)

J81 (89)

J67 (75)

J53 (61)

J43 (8)

J29 (22)

J15 (36)

NB (50)

J66 (80)

J52 (66)

J38 (5)

J24 (19)

J10 (33)

NB (47)

J8 (32)

J21 (26)

J6 (31)

J19 (27)

J4 (30)

NB (44)

J74 (97)

J60 (83)

J46 (69)

J32 (2)

J18 (16)

J4 (30)

NB (44)

J72 (98)

J58 (84)

J44 (70)

J30 (1)

J16 (15)

J2 (29)

NB (43)

Bluetooth device not connected.
Please check BT device.

Calibration

CAM X

CAM Y

ANGLE

Currently no alarms

Previous Data

Start Cycle

Return Test

Refresh All

Logout

Scanning for BharatX_OHM_ROBONEG_V3...

Now you can see that the scanner mode has changed to manual.

Note: To switch back to auto mode, click the same button, enter the admin password, and it will switch to auto mode again.

If the scanner is in manual mode, the scanner input box is editable, and you can enter input using the keyboard.

All-time
14

14

J2 (29)

NB (43)

NB (56)

 Logout

Today
S1: 0 | S2: 0 | S3: 0

Yesterday
S1: 0 | S2: 0 | S3: 0

--°C

ROBO

CAM

PLC

All-time
0

1	2	3	4	5	6	7	8	9	10	11	12	13	14
	J84 (92) --		J82 (93) --								J74 (97) --		J72 (98) --
J85 (91) --	J70 (78) --	J83 (90) --	J68 (79) --	J81 (89) --	J66 (80) --	J79 (88) --	J64 (81) --	J77 (87) --	J62 (82) --	J75 (86) --	J60 (83) --	J73 (85) --	J58 (84) --
J71 (77) --	J56 (64) --	J69 (76) --	J54 (65) --	J67 (75) --	J52 (66) --	J65 (74) --	J50 (67) --	J63 (73) --	J48 (68) --	J61 (72) --	J46 (69) --	J59 (71) --	J44 (70) --
J57 (63) --	J42 (7) --	J55 (62) --	J40 (6) --	J53 (61) --	J38 (5) --			J49 (59) --	J34 (3) --	J47 (58) --	J32 (2) --	J45 (57) --	J30 (1) --
J43 (8) --	J28 (21) --	J41 (9) --	J26 (20) --	J39 (10) --	J24 (19) --	J37 (11) --	J22 (18) --	J35 (12) --	J20 (17) --	J33 (13) --	J18 (16) --	J31 (14) --	J16 (15) --
J29 (22) --	J14 (35) --	J27 (23) --	J12 (34) --	J25 (24) --	J10 (33) --	J23 (25) --	J8 (32) --	J21 (26) --	J6 (31) --	J19 (27) --	J4 (30) --	J17 (28) --	J2 (29) --
J15 (36) --	NB (49) --	J13 (37) --	NB (48) --	J11 (38) --	NB (47) --	J9 (39) --	NB (46) --	J7 (40) --	NB (45) --	J5 (41) --	NB (44) --	J3 (42) --	NB (43) --
NB (50) --		NB (51) --		NB (52) --		NB (53) --		NB (54) --		NB (55) --		NB (56) --	

In this dropdown, you can select an operator.

Bluetooth device not connected.
Please check BT device.

All-time

14

J72 (98)

J58 (84)

Cancel

J16 (15)

J2 (29)

NB (43)

Today

S1: 0 | S2: 0 | S3: 0

Yesterday

S1: 0 | S2: 0 | S3: 0

BharatXtronic

OHM MATRIX

26.0°C

ROBO ✖

CAM ✖

PLC ✖

All-time 14

This button is used to view the real-time status of PLC tags.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	J84 (92) --		J82 (93) --		J80 (94) --		J78 (95) --		--		--		--	
J85 (91) --	J70 (78) --	J83 (90) --	J68 (79) --	J81 (89) --	J66 (80) --	J79 (88) --	J64 (81) --	J77 (87) --	J62 (82) --	J75 (86) --	J60 (83) --	J73 (85) --	J58 (84) --	
J71 (77) --	J56 (64) --	J69 (76) --	J54 (65) --	J67 (75) --	J52 (66) --	J65 (74) --	J50 (67) --	J63 (73) --	J48 (68) --	J61 (72) --	J46 (69) --	J59 (71) --	J44 (70) --	
J57 (63) --	J42 (7) --	J55 (62) --	J40 (6) --	J53 (61) --	J38 (5) --	J51 (60) --	J36 (4) --	J49 (59) --	J34 (3) --	J47 (58) --	J32 (2) --	J45 (57) --	J30 (1) --	
J43 (8) --	J28 (21) --	J41 (9) --	J26 (20) --	J39 (10) --	J24 (19) --	J37 (11) --	J22 (18) --	J35 (12) --	J20 (17) --	J33 (13) --	J18 (16) --	J31 (14) --	J16 (15) --	
J29 (22) --	J14 (35) --	J27 (23) --	J12 (34) --	J25 (24) --	J10 (33) --	J23 (25) --	J8 (32) --	J21 (26) --	J6 (31) --	J19 (27) --	J4 (30) --	J17 (28) --	J2 (29) --	
J15 (36) --	NB (49) --	J13 (37) --	NB (48) --	J11 (38) --	NB (47) --	J9 (39) --	NB (46) --	J7 (40) --	NB (45) --	J5 (41) --	NB (44) --	J3 (42) --	NB (43) --	
NB (50) --		NB (51) --		NB (52) --		NB (53) --		NB (54) --		NB (55) --		NB (56) --		



In these tabs, you can select a particular option to view PLC, robot, and camera bits.

In this table, you can see the PLC tag address, description, and status.

PLC INPUTS (Sensors)

	Address	Description	Status
1	X0	SPARE	--
2	X1	SPARE	--
3	X2	PART IN PRESENCE	--
4	X3	PART OUT PRESENCE	--
5	X4	STOPPER CYL FWD RD SW	--
6	X5	STOPPER CYL REV RD SW	--
7	X6	LIFTER CYL FWD RD SW	--
8	X7	LIFTER CYL REV RD SW	--
9	X10	TESTING CYL 1 DOWN R/D SW	--
10	X11	TESTING CYL 1 UP R/D SW	--
11	X12	TESTING CYL 2 DOWN R/D SW	--
12	X13	TESTING CYL 2 UP R/D SW	--
13	X14	EMERGENCY STOP PB	--
14	X15	CYCLE START PB - 1 PB	--
15	X16	RESET PB	--
16	X17	MAIN PRESSURE OK	--

Shows whether the PLC is connected or not.

✖ PLC Not Connected

✖ Close

All-time
0

ADMIN LOGIN

Password:

Login Cancel

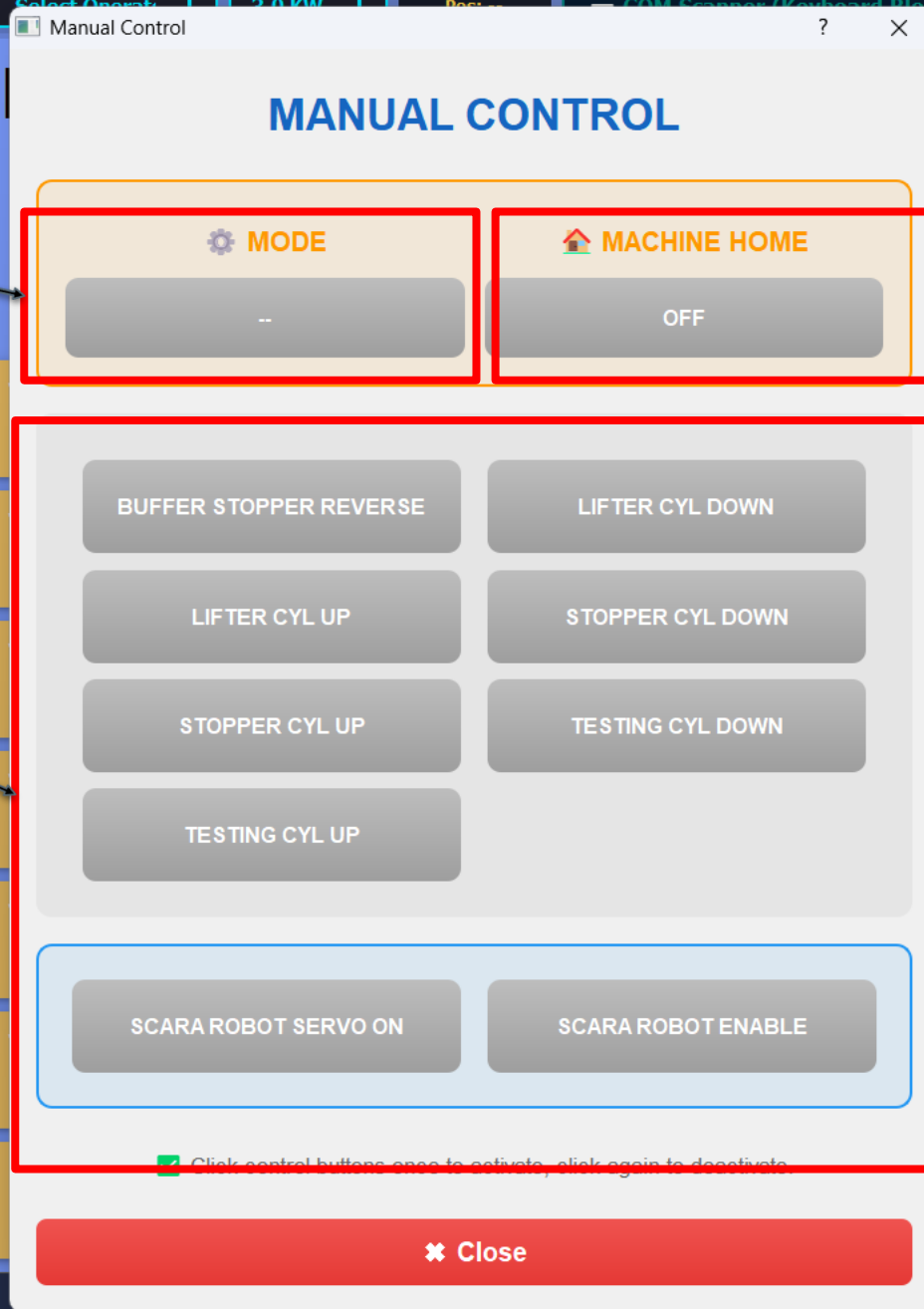
This button is used to control the robot's manual and auto modes.

After clicking this button, you will be prompted to enter the admin password.s

Use this button to switch between auto and manual modes.

These buttons can only be used in manual mode.

If the robot is stuck in any other position and you want to return it to the home position, switch the mode to manual and then click the Machine Home button.



All-time
0

This button is used to open the Admin System Settings dialog.

After clicking this button, you will be prompted to enter the admin password.

AUTO

BT:

BharatX_OH...

13:27:56

Shift 1

Select Operat...

3.0 KW

Pos: --

COM Scanner (Keyboard Bloc...

Real-Time Monitor

Today

S1: 0 | S2: 0 | S3: 0

Yesterday

S1: 0 | S2: 0 | S3: 0

BharatXtronic

O

H

M

M

A

T

R

I

X

--°C

ROBO

CAM

PLC

All-time

0

1

2

3

12

13

14

J84 (92)

--

J85 (91)

--

J71 (77)

--

J57 (63)

--

J43 (8)

--

J29 (22)

--

J15 (36)

--

NB (50)

--

J84 (92)

--

J70 (78)

--

J56 (64)

--

J42 (7)

--

J28 (21)

--

J14 (35)

--

NB (49)

--

J83 (90)

--

J69 (76)

--

J55 (62)

--

J41 (9)

--

J27 (23)

--

J13 (37)

--

NB (51)

--

NB (52)

--

NB (53)

--

NB (54)

--

NB (55)

--

NB (56)

--

J74 (97)

--

J60 (83)

--

J46 (69)

--

J32 (2)

--

J18 (16)

--

J4 (30)

--

NB (44)

--

J73 (85)

--

J59 (71)

--

J45 (57)

--

J31 (14)

--

J17 (28)

--

J3 (42)

--

J72 (98)

--

J58 (84)

--

J44 (70)

--

J30 (1)

--

J16 (15)

--

J2 (29)

--

NB (43)

--

SYSTEM SETTINGS

Threshold

QR Length

Shifts

Cell Bypass

Calibration

Layout

PLC Mod

Set the required character length for QR codes to be considered valid.

QR Length:

31 characters

Note: Scanned or manually entered QR codes must match this exact length to be accepted.

Save

Cancel

This is the QR length validation settings section. Here, you can set the minimum QR code length for validation.

Calibration

CAM X

CAM Y

ANGLE

Currently no alarms

Previous Data

Start Cycle

Return Test

Refresh All

Logout

Auto-connect: retry in 1.3s (attempt 1)

All-time
0

 Logout

SYSTEM SETTINGS

ThresholdQR LengthShiftsCell BypassCalibrationLayoutPLC Mod

Manage work shifts - Add, Edit or Delete shifts.

	Shift Name	Start Time	End Time
1	Shift 1	07:00	15:30
2	Shift 2	15:30	23:30
3	Shift 3	23:30	07:00

This is the Shift Settings section. Here, you can add multiple shifts with start and end times, as well as update and delete shifts.

Shift Name

Start:

08:00

End:

16:00

Add

Update

Delete

Select a row to edit, then modify values and click Update

12	13	14
J74 (97) --		J72 (98) --
J60 (83) --	J73 (85) --	J58 (84) --
J46 (69) --	J59 (71) --	J44 (70) --
J32 (2) --	J45 (57) --	J30 (1) --
J18 (16) --	J31 (14) --	J16 (15) --
J4 (30) --	J17 (28) --	J2 (29) --
NB (44) --	J3 (42) --	NB (43) --
	NB (56) --	

Threshold

QR Length

Shifts

Cell Bypass

Calibration

Layout

PLC Mod

⚠️ CELL BYPASS SETTINGS

Bypass individual BLE cells. Bypassed cells will always show as OK (green) with 'BYPASS' text and won't affect test results.

Left Side (LHS)

C1

C2

C3

C4

C5

C6

C7

Right Side (RHS)

C8

C9

C10

C11

C12

C13

C14

All cells operating normally

Bypass All

Enable All

● Green = OK (Normal) | ● Red = BYPASS

⚠️ Bypassed cells are excluded from test judgment.
Use only for maintenance/calibration purposes.

This is the Cell Bypass Settings section. Here, you can bypass a cell in case any hardware part of a particular cell in the FOT device is damaged.

Cancel

This is the Cell Bypass Settings section. Here, you can bypass a cell in case any hardware part of a particular cell in the EOT device is damaged.



12	13	14
J74 (97) --		J72 (98) --
J60 (83) --	J73 (85) --	J58 (84) --
J46 (69) --	J59 (71) --	J44 (70) --
J32 (2) --	J45 (57) --	J30 (1) --
J18 (16) --	J31 (14) --	J16 (15) --
J4 (30) --	J17 (28) --	J2 (29) --
NB (44) --	J3 (42) --	NB (43) --
	NB (56) --	

AUTO

BT:

BharatX_OH...

13:28:30

Shift 1

Select Operatr

3.0 KW

Pos: --

COM Scanner (Keyboard Bloc...

Real-Time Monitor

Today

S1: 0 | S2: 0 | S3: 0

Yesterday

S1: 0 | S2: 0 | S3: 0

BharatXtronic

O

H

M

MATRIX

--°C

ROBO

CAM

PLC

All-time

0

1

2

3

12

13

14

J84 (92)

--

J85 (91)

--

J71 (77)

--

J57 (63)

--

J43 (8)

--

J29 (22)

--

J15 (36)

--

NB (50)

--

J84 (92)

--

J70 (78)

--

J56 (64)

--

J42 (7)

--

J28 (21)

--

J14 (35)

--

NB (49)

--

J83 (90)

--

J69 (76)

--

J55 (62)

--

J41 (9)

--

J27 (23)

--

J13 (37)

--

NB (51)

--

NB (52)

--

NB (53)

--

NB (54)

--

NB (55)

--

NB (56)

--

J74 (97)

--

J60 (83)

--

J46 (69)

--

J32 (2)

--

J18 (16)

--

J4 (30)

--

NB (44)

--

J72 (98)

--

J58 (84)

--

J44 (70)

--

J30 (1)

--

J16 (15)

--

J2 (29)

--

NB (43)

--

SYSTEM SETTINGS

Threshold

QR Length

Shifts

Cell Bypass

Calibration

Layout

PLC Mod

Modify specific PLC Data Registers directly.
Values will be written immediately upon saving.

D1510 (Pogopin Retry Count):

0

D1512 (Robot Retry Count):

0

Note: Modifying these registers directly affects the PLC logic.

Write to PLC

This is the PLC Modify Settings section. Here, you
can change the values for the pogo pin retry count
and robot retry count.

Save

Cancel

Calibration

CAM X

CAM Y

ANGLE

Currently no alarms

Previous Data

Start Cycle

Return Test

Refresh All

Logout

Auto-connect: retry in 1.3s (attempt 1)

These are the filters for battery test records.

View Data

Scanner: Date: Shift: Operator:

ID	Scanner	Date	Time	Shift	Operator	Position	Power	J85 (91)	J71 (77)	J57 (63)	J43 (8)	J29 (22)	J15 (36)	NB (50)	J84 (92)	J70 (78)	J56 (64)	J42 (7)	J28 (21)	J14 (35)	NE	
1	14	50BAB11JCFA03X0201R260225041248	2026-04-04	15:42:43	Shift 2	Op Default	REAR	3.5 KW	496	518	511	609	553	534	503	643	452	537	647	479	554	4
2	13	50BAB11JCFA03X0201R260225041248	2026-04-04	15:41:31	Shift 2	Op Default	REAR	3.5 KW	500	524	555	607	574	539	493	677	512	557	509	474	558	4
3	12	50BAB11JCFA03X0201R260225041248	2026-04-04	15:40:24	Shift 2	Op Default	REAR	3.5 KW	504	499	490	557	574	536	500	678	452	560	529	475	556	4
4	11	50BAB11JCFA03X0201R260225041248	2026-04-04	15:39:11	Shift 2	Op Default	REAR	3.5 KW	474	474	388	472	465	526	510	628	447	512	406	407	576	3
5	10	50BAB11JCFA03X0201R260225041248	2026-04-04	15:33:50	Shift 2	Op Default	REAR	3.5 KW	473	476	484	627	520	550	546	643	463	525	520	443	560	4
6	9	50BAB11JCFA03X0201R260225041248	2026-04-04	15:20:50	Shift 1	Op Default	REAR	3.5 KW	484	475	541	606	560	528	497	679	454	542	514	459	550	4
7	8	50BAB11JCFA03X0201R260225041248	2026-04-04	15:19:00	Shift 1	Op Default	REAR	3.5 KW	484	475	541	606	560	528	497	679	454	542	514	459	550	4
8	4	50BAB11JCFA03X0201R260225041248	2026-04-04	15:05:20	Shift 1	Op Default	REAR	3.5 KW	484	475	541	606	560	528	497	679	454	542	514	459	550	4
9	4	50BAB11JCFA03X0201R260225041248	2026-04-04	15:02:59	Shift 1	Op Default	REAR	3.5 KW	458	439	508	623	537	500	470	612	446	531	444	416	544	4
10	4	50BAB11JCFA03X0201R260225041248	2026-04-04	15:00:35	Shift 1	Op Default	REAR	3.5 KW	455	460	480	543	543	512	484	627	448	506	502	448	573	4
11	4	50BAB11JCFA03X0201R260225041248	2026-04-04	14:55:37	Shift 1	Op Default	REAR	3.5 KW	453	426	465	567	538	477	479	639	432	524	472	450	582	4
12	4	50BAB11JCFA03X0201R260225041248	2026-04-04	14:49:41	Shift 1	Op Default	REAR	3.5 KW	465	458	399	455	460	485	488	566	412	472	453	415	549	3
13	2	50BAB11JCFA03X0201R260225041248	2026-04-04	12:53:01	Shift 1	Op Default	REAR	3.5 KW	2737	2881	2539	9999	2730	2757	2812	2716	19681	2657	2548	2687	2825	9
14	1	50BAB11JCFA03X0201R260225041248	2026-04-04	12:47:12	Shift 1	Op Default	REAR	3.5 KW	2791	51	2814	9999	2908	2842	2912	2824	2859	2874	2865	2981	3102	9

You can export the records as an Excel file by clicking this button.

This table shows the details of battery tests.

You can delete selected records.

You can refresh the records.

You can close the dialog.

All-time
14

Admin Panel

	ID	Name	Password
1	OP1	Op Default	043a718774c5...

Add Operator

Delete

Save

New Admin Password: Leave blank to keep current

Change Admin Password

Use this option to change the admin password.

Today
S1: 0 | S2: 0 | S3: 0

Yesterday
S1: 0 | S2: 0 | S3: 0

BharatXtronic OHM MATRIX

--°C

ROBO

CAM

PLC

All-time
14

1	2	3	4	5	6	7	8	9	10	11	12	13	14
	J84 (92) --		J82 (93) --		J80 (94) --		J78 (95) --		J76 (96) --		J74 (97) --		J72 (98) --
J85 (91) --	J70 (78) --	J83 (90) --	J68 (79) --	J81 (89) --	J66 (80) --	J79 (88) --	J64 (81) --	J77 (87) --	J62 (82) --	J75 (86) --	J60 (83) --	J73 (85) --	J58 (84) --
J71 (77) --	J56 (64) --	J69 (76) --	J54 (65) --	J67 (75) --	J52 (66) --	J65 (74) --	J50 (67) --	J63 (73) --	J48 (68) --	J61 (72) --	J46 (69) --	J59 (71) --	J44 (70) --
J57 (63) --	J42 (7) --	J55 (62) --	J40 (6) --	J53 (61) --	J38 (5) --			J49 (59) --	J34 (3) --	J47 (58) --	J32 (2) --	J45 (57) --	J30 (1) --
J43 (8) --	J28 (21) --	J41 (9) --	J26 (20) --	J39 (10) --	J24 (19) --	J37 (11) --	J22 (18) --	J35 (12) --	J20 (17) --	J33 (13) --	J18 (16) --	J31 (14) --	J16 (15) --
J29 (22) --	J14 (35) --	J27 (23) --	J12 (34) --	J25 (24) --	J10 (33) --			J21 (26) --	J6 (31) --				J2 (29) --
J15 (36) --	NB (49) --	J13 (37) --	NB (48) --	J11 (38) --	NB (47) --			J7 (4) --			NB (4) --		
NB (50) --		NB (51) --		NB (52) --		NB (53) --		NB (54) --		NB (55) --		NB (56) --	

Bluetooth device not connected.
Please check BT device.

Start cycle
(capture battery
values).

Retest (reset battery
block test) and run retest.

Refresh all (barcode and
scanning operations).

Log out the operator by
default.

Start Cycle

Return Test

Refresh All

Logout

Today
S1: 0 | S2: 0 | S3: 0

Yesterday
S1: 0 | S2: 0 | S3: 0

BharatXtronic

MATRIX

--°C

ROBO

CAM

PLC

All-time
0

1	2	3	4	5	6	7	8	9	10	11	12	13	14
	J84 (92) --		J82 (93) --		J80 (94) --		J78 (95) --		J76 (96) --		J74 (97) --		J72 (98) --
J85 (91) --	J70 (78) --	J83 (90) --	J68 (79) --	J81 (89) --	J66 (80) --	J79 (88) --	J64 (81) --	J77 (87) --	J62 (82) --	J75 (86) --	J60 (83) --	J73 (85) --	J58 (84) --
J71 (77) --	J56 (64) --	J69 (76) --	J54 (65) --	J67 (75) --	J52 (66) --	J65 (74) --	J50 (67) --	J63 (73) --	J48 (68) --	J61 (72) --	J46 (69) --	J59 (71) --	J44 (70) --
J57 (63) --	J42 (7) --	J55 (62) --	J40 (6) --	J53 (61) --	J38 (5) --	Bluetooth device not connected. Please check BT device.		J49 (59) --	J34 (3) --	J47 (58) --	J32 (2) --	J45 (57) --	J30 (1) --
J43 (8) --	J28 (21) --	J41 (9) --	J26 (20) --	J39 (10) --	J24 (19) --			J35 (12) --	J20 (17) --	J33 (13) --	J18 (16) --	J31 (14) --	J16 (15) --
J29 (22) --	J14 (35) --	J27 (23) --	J12 (34) --	J25 (24) --	J10 (33) --	J23 (25) --	J8 (32) --	J21 (26) --	J6 (31) --	J19 (27) --	J4 (30) --	J17 (28) --	J2 (29) --
J15 (36) --	NB (49) --	J13 (37) --	NB (48) --	J11 (38) --	NB (47) --	J9 (3) --	Click to show the history of previous data.				NB (44) --	J3 (42) --	NB (43) --
NB (50) --		NB (51) --		NB (52) --		NB (53) --			NB (54) --	NB (55) --		NB (56) --	

PREVIOUS DATA VIEW

Select Test:

ID:14 | 50BAB11JCFA03X0201R260225041248 | 2026-04-04 15:42:43 | Shift 2 | Op Default | OK

Select the test to view previous data history.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
	J84 (92) 643,OK		J82 (93) 493,OK		J80 (94) 492,OK		J78 (95) 440,OK		J76 (96) 512,OK		J74 (97) 483,OK		J72 (98) 490,OK
J85 (91) 496,OK	J70 (78) 452,OK	J83 (90) 509,OK	J68 (79) 483,OK	J81 (89) 471,OK	J66 (80) 533,OK	J79 (88) 453,OK	J64 (81) 448,OK	J77 (87) 426,OK	J62 (82) 419,OK	J75 (86) 488,OK	J60 (83) 564,OK	J73 (85) 474,OK	J58 (84) 618,OK
J71 (77) 518,OK	J56 (64) 537,OK	J69 (76) 452,OK	J54 (65) 440,OK	J67 (75) 529,OK	J52 (66) 506,OK	J65 (74) 504,OK	J50 (67) 561,OK	J63 (73) 540,OK	J48 (68) 391,OK	J61 (72) 482,OK	J46 (69) 550,OK	J59 (71) 505,OK	J44 (70) 489,OK
J57 (63) 511,OK	J42 (7) 647,OK	J55 (62) 421,OK	J40 (6) 476,OK	J53 (61) 415,OK	J38 (5) 562,OK	J51 (60) 442,OK	J36 (4) 442,OK	J49 (59) 445,OK	J34 (3) 433,OK	J47 (58) 441,OK	J32 (2) 522,OK	J45 (57) 449,OK	J30 (1) 459,OK
J43 (8) 609,OK	J28 (21) 479,OK	J41 (9) 480,OK	J26 (20) 454,OK	J39 (10) 624,OK	J24 (19) 562,OK	J37 (11) 574,OK	J22 (18) 453,OK	J35 (12) 442,OK	J20 (17) 440,OK	J33 (13) 584,OK	J18 (16) 505,OK	J31 (14) 582,OK	J16 (15) 506,OK
J29 (22) 553,OK	J14 (35) 554,OK	J27 (23) 491,OK	J12 (34) 444,OK	J25 (24) 525,OK	J10 (33) 548,OK	J23 (25) 441,OK	J8 (32) 501,OK	J21 (26) 490,OK	J6 (31) 598,OK	J19 (27) 563,OK	J4 (30) 540,OK	J17 (28) 566,OK	J2 (29) 527,OK
J15 (36) 534,OK	NB (49) 466,OK	J13 (37) 547,OK	NB (48) 480,OK	J11 (38) 505,OK	NB (47) 492,OK	J9 (39) 455,OK	NB (46) 457,OK	J7 (40) 494,OK	NB (45) 475,OK	J5 (41) 488,OK	NB (44) 550,OK	J3 (42) 547,OK	NB (43) 539,OK
NB (50) 503,OK		NB (51) 436,OK		NB (52) 470,OK		NB (53) 485,OK		NB (54) 527,OK		NB (55) 545,OK		NB (56) 603,OK	

✖ Close

PREVIOUS DATA VIEW

Select Test:

ID:10 | 50BAB11JCA03X0201R260225041248 | 2026-04-04 15:33:59 | Shift 2 | Op Default | NG

ID:14 | 50BAB11JCA03X0201R260225041248 | 2026-04-04 15:42:43 | Shift 2 | Op Default | OK
ID:13 | 50BAB11JCA03X0201R260225041248 | 2026-04-04 15:41:31 | Shift 2 | Op Default | OK
ID:12 | 50BAB11JCA03X0201R260225041248 | 2026-04-04 15:40:24 | Shift 2 | Op Default | OK
ID:11 | 50BAB11JCA03X0201R260225041248 | 2026-04-04 15:39:11 | Shift 2 | Op Default | OK
ID:10 | 50BAB11JCA03X0201R260225041248 | 2026-04-04 15:33:59 | Shift 2 | Op Default | NG
ID:9 | 50BAB11JCA03X0201R260225041248 | 2026-04-04 15:20:50 | Shift 1 | Op Default | NG
ID:8 | 50BAB11JCA03X0201R260225041248 | 2026-04-04 15:19:01 | Shift 1 | Op Default | OK
ID:7 | 50BAB11JCA03X0201R260225041248 | 2026-04-04 15:05:24 | Shift 1 | Op Default | NG
ID:6 | 50BAB11JCA03X0201R260225041248 | 2026-04-04 15:02:59 | Shift 1 | Op Default | NG
ID:5 | 50BAB11JCA03X0201R260225041248 | 2026-04-04 15:00:35 | Shift 1 | Op Default | NG

Click to view a specific data history.

View previous data changes.

J16 (15)

NC

✕ Close

Yesterday
S1: 0 | S2: 0 | S3: 0

All-time
0

14

J72 (98)

J58 (84)

Currently no alarms

1. 1. [1. !\[\]\(cbd48493a346257eccffb6d416453f68_img.jpg\) 1.](#)

AUTO

BT: BharatX_OH...

12:45:36

Shift 1

Select Operat...

3.0 KW

Pos: --

COM Scanner (Keyboard Bloc...

Real-Time Monitor

--°C

ROBO

CAM

PLC

All-time 14

Today
S1: 0 | S2: 0 | S3: 0

Yesterday
S1: 0 | S2: 0 | S3: 0

BharatXtronic

OHM MATRIX

1234567891011121314

J84 (92)

J82 (93)

J80 (94)

J78 (95)

J76 (96)

J74 (97)

J72 (98)

J85 (91)

J70 (78)

J83 (90)

J68 (79)

J75 (86)

J60 (83)

J73 (85)

J58 (84)

J71 (77)

J56 (64)

J69 (76)

J54 (65)

J61 (72)

J46 (60)

J59 (74)

J44 (50)

J57 (63)

J42 (7)

J55 (62)

J40 (6)

J47 (58)

J32 (12)

J45 (59)

J35 (13)

J18 (16)

J31 (14)

J16 (15)

J43 (8)

J28 (21)

J41 (9)

J26 (20)

J33 (13)

J18 (16)

J31 (14)

J16 (15)

J29 (22)

J14 (35)

J27 (23)

J12 (34)

J19 (27)

J4 (30)

J17 (28)

J2 (29)

J15 (36)

NB (49)

J13 (37)

NB (48)

J5 (41)

NB (44)

J3 (42)

NB (43)

NB (50)

NB (51)

NB (52)

NB (53)

NB (54)

NB (55)

NB (56)

Calibration

CAM X

CAM Y

ANGLE

Currently no alarms

Previous Data

Start Cycle

Return Test

Refresh All

Logout

Auto-connect: retry in 1.3s (attempt 1)

PLC Alarm Status

Realtime PLC Alarm Monitor

Currently no alarms

	Bit	Alarm Description	Status
18	M319	CAMERA COMMUNICATION FAILED FAULT	CLEAR
19	M320	ROBOT ERROR FAULT	CLEAR
20	M321	BATTERY PACK NG FAULT	CLEAR
21	M327	Not in auto mode	CLEAR
22	M328	Please scan Barcode.	CLEAR
23	M329	Robot Pause	CLEAR
24	M330	Please place the cell pack properly in the pallet.	CLEAR

History

Close

Click on the History button to view history details.

AUTO

RT: X CLK

12:55:15

Shift 1

Select Operat

3.0 KW

Pos: --

COM Scanner (Keyboard Bloc...

Real Time Monitor

Today

S1: 0 | S2: 0 | S3: 0

Yesterday

S1: 0 | S2: 0 | S3: 0

--°C

ROBO

CAM

PLC

All-time

14

1

2

3

4

5

6

7

8

9

10

11

12

13

14

J84 (91)

J82 (83)

J80 (90)

J78 (95)

J76 (88)

J74 (97)

J72 (98)

J85 (91)

J70 (70)

J83 (90)

J81 (90)

J75 (88)

J60 (83)

J73 (85)

J58 (84)

J71 (77)

J56 (66)

J69 (76)

J67 (76)

J61 (12)

J47 (68)

J67 (02)

J42 (7)

J35 (63)

J40 (6)

J43 (8)

J28 (21)

J41 (8)

J25 (25)

J29 (22)

J14 (56)

J37 (57)

J13 (37)

J15 (36)

NB (45)

NB (63)

NB (45)

NB (50)

NB (52)

NB (53)

NB (56)

PLC Alarm Status

Alarm History (Last 7 Days)

Date	Time	Bit Name	Description
21 May-2021	12:55:15	M331	Cooling fan fault
21 May-2021	12:55:15	M332	PLC battery low warning
26 May-2022	12:57:33	M330	Please place the cell pack properly in the pallet
26 May-2022	12:57:34	M329	Robot Pause
26 May-2022	12:57:57	M328	Please scan Barcode.
26 May-2022	13:57:16	M327	Not in auto mode
23 May-2022	10:52:11	M321	BATTERY PACK NG FAULT
21 May-2022	10:57:20	M320	ROBOT ERROR FAULT
22 May-2022	10:57:28	M319	CAMERA COMMUNICATION FAILED FAULT

Close

View detailed history alarms.

Calibration

CAM X

CAM Y

ANGLE

Currently no alarms

Previous Data

Start Cycle

Return Test

Refresh All

Auto connect: retry in 1.7x (attempt 2)

AUTO

BT: ❌ Check

11:51:14

Shift 1

Select Operator

3.0 KW

Pos: --

COM Scanner (Keyboard Bloc...

Real-Time Monitor

Today
S1: 0 | S2: 0 | S3: 0

Yesterday
S1: 0 | S2: 0 | S3: 0

BharatXtronics OHM MATRIX

--°C

ROBO
❌

CAM
❌

PLC
❌

All-time
0

1	2	3	4	5	6	7	8	9	10	11	12	13	14
	J84 (92) --		J82 (93) --		J80 (94) --		J78 (95) --		J76 (96) --		J74 (97) --		J72 (98) --
J85 (91) --	J70 (78) --	J83 (90) --	J68 (79) --	J81 (89) --	J66 (80) --	J79 (88) --	J64 (81) --	J77 (87) --	J62 (82) --	J75 (86) --	J60 (83) --	J73 (85) --	J58 (84) --
J71 (77) --	J56 (64) --	J69 (76) --	J54 (65) --	J67 (75) --	J52 (66) --	J65 (74) --	J50 (67) --	J63 (73) --	J48 (68) --	J61 (72) --	J46 (69) --	J59 (71) --	J44 (70) --
J57 (63) --	J42 (7) --	J55 (62) --	J40 (6) --	J53 (61) --	J38 (5) --			J49 (59) --	J34 (3) --	J47 (58) --	J32 (2) --	J45 (57) --	J30 (1) --
J43 (8) --	J28 (21) --	J41 (9) --	J26 (20) --	J39 (10) --	J24 (19) --	J37 (11) --	J22 (18) --	J35 (12) --	J20 (17) --	J33 (13) --	J18 (16) --	J31 (14) --	J16 (15) --
J29 (22) --	J14 (35) --	J27 (23) --	J12 (34) --	J25 (24) --	J10 (33) --	J23 (25) --	J8 (32) --	J21 (26) --	J6 (31) --	J19 (27) --	J4 (30) --	J17 (28) --	J2 (29) --
J15 (36) --	NB (49) --	J13 (37) --	NB (48) --	J11 (38) --	NB (47) --	J9 (39) --	NB (46) --	J7 (40) --	NB (45) --	J5 (41) --	NB (44) --	J3 (42) --	NB (43) --
NB (50) --		NB (51) --		NB (52) --		NB (53) --		NB (54) --		NB (55) --		NB (56) --	

Bluetooth device not connected.
Please check BT device.

View Calibration

Calibration

CAM X
--

CAM Y
--

ANGLE
--

Currently no alarms

Previous Data

Start Cycle

Return Test

Refresh All

Login

Auto-connect: retry in 1.7s (attempt 2)

RESISTANCE CALIBRATION

Editable: Battery Count (for PLC D222), Min, Max. Other values are view-only.

Actual Battery Count : 0

Update

Calibration Activation Count:

100

Set the actual count and press Update.

Lower Calibration (Set 1)

Min: 500.0

Max: 1050.0

Set the lower limit (minimum and maximum) for lower calibration.

Show battery status (NG, OK).

L

R

B1

--

B8

--

B2

--

B9

--

B3

--

B10

--

B4

--

B11

--

B5

--

B12

--

B6

--

B13

--

B7

--

B14

--

Higher Calibration (Set 2)

Min: 190.0

Max: 1250.0

Set the higher limit (minimum and maximum) for upper calibration.

Show battery status (NG, OK).

L

R

B1

--

B8

--

B2

--

B9

--

B3

--

B10

--

B4

--

B11

--

B5

--

B12

--

B6

--

B13

--

--

--

--

--

Start calibration

Apply all current settings (minimum and maximum limits).

► Start Calibration

Save

Close

Thank you