3E
INDUSTRIAL ENGINEERING

EAGLEYE PDR®
MULTI-CHANNEL DATA RECORDER
MANUAL OF USE / V1.1





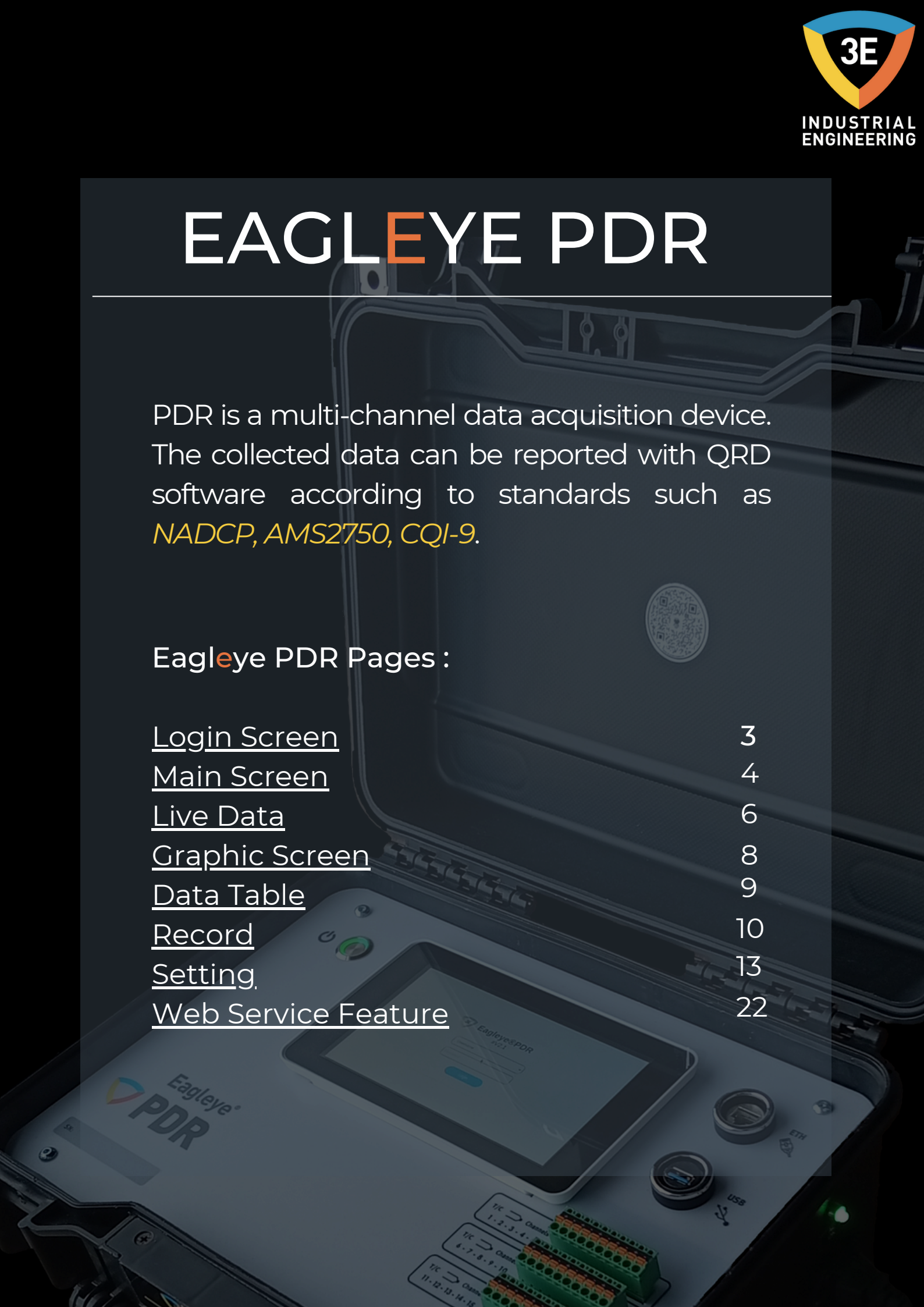
Don't worry about it !

EAGLEYE PDR

PDR is a multi-channel data acquisition device. The collected data can be reported with QRD software according to standards such as *NADCP, AMS2750, CQI-9*.

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1. LOGIN SCREEN

The Login Screen appears upon the initial startup of the PDR. Refer to *Figure 1 below* for a detailed description.

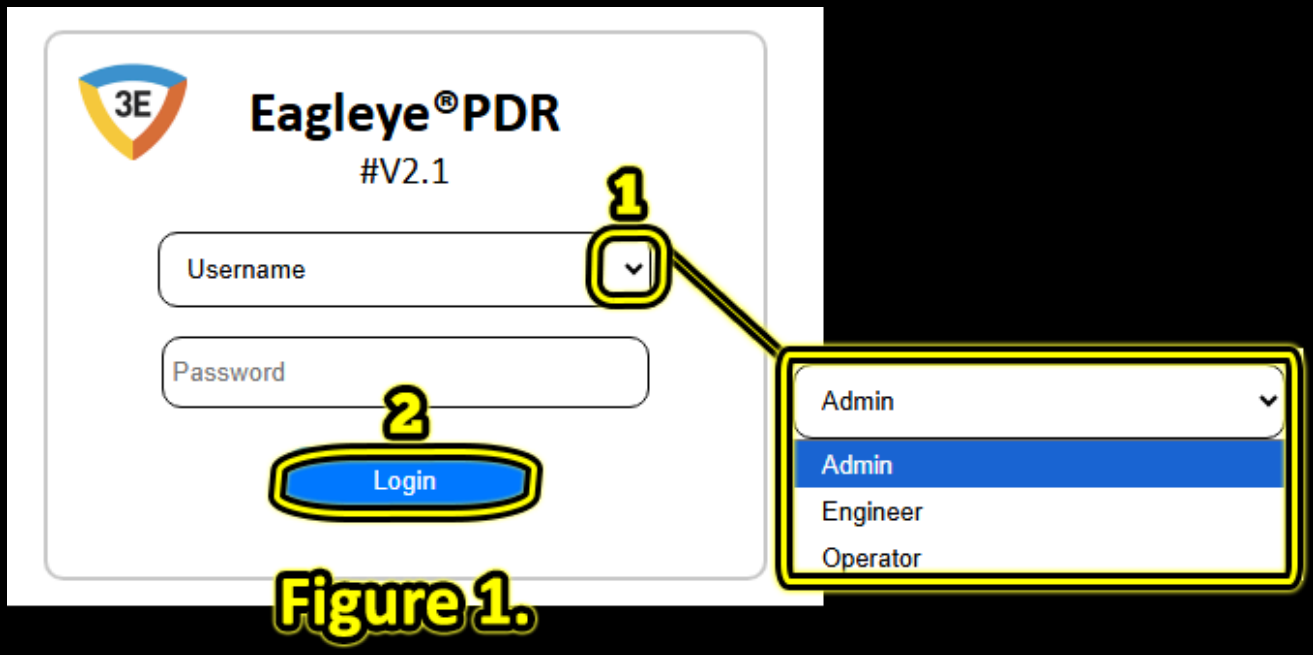


Figure 1.

1) Select the username.
2) Enter the password.

Note: The default password is 123.



2. MAIN SCREEN

Upon successful login, the main screen is displayed. Refer to the *Figure 2* description below for detailed information:

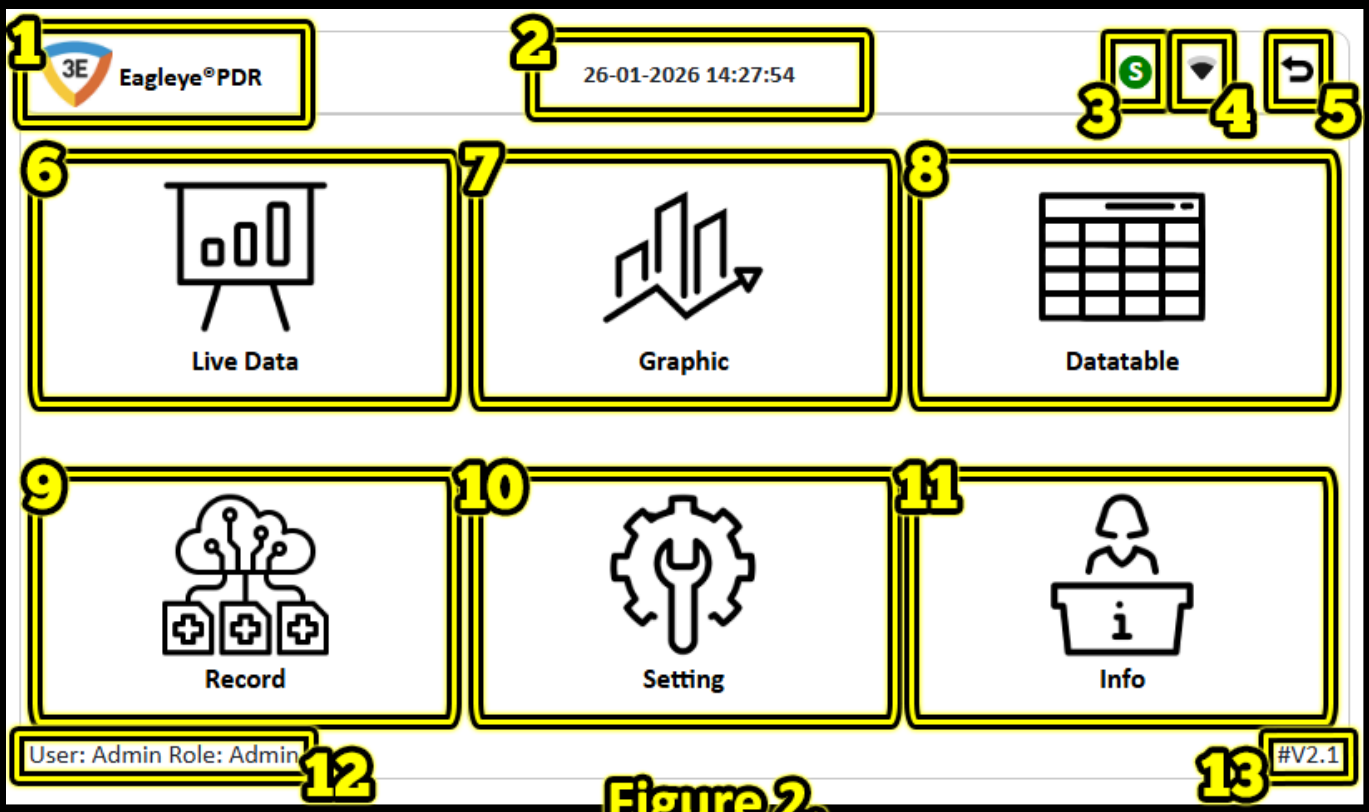


Figure 2.



2. MAIN SCREEN

1) Return to the Main Screen.
2) Display the current device date and time.
3) Monitor sensor activity. A green 'S' icon indicates sensors are operational.
4) Display the internet connection status.
5) Navigate to the previous screen.
6) Click to navigate between the Live Data, Graphic, Datatable, Record, Setting, and Info screens.
7) Display the logged-in username and user role.
8) Display the software version.



3. LIVE DATA

The Live Data Screen displays information for 15 thermocouples (*Figure 3*). Click the tiles to edit thermocouple parameters. (*Figure 4*). Refer to *Figure 3 and Figure 4* for detailed descriptions:

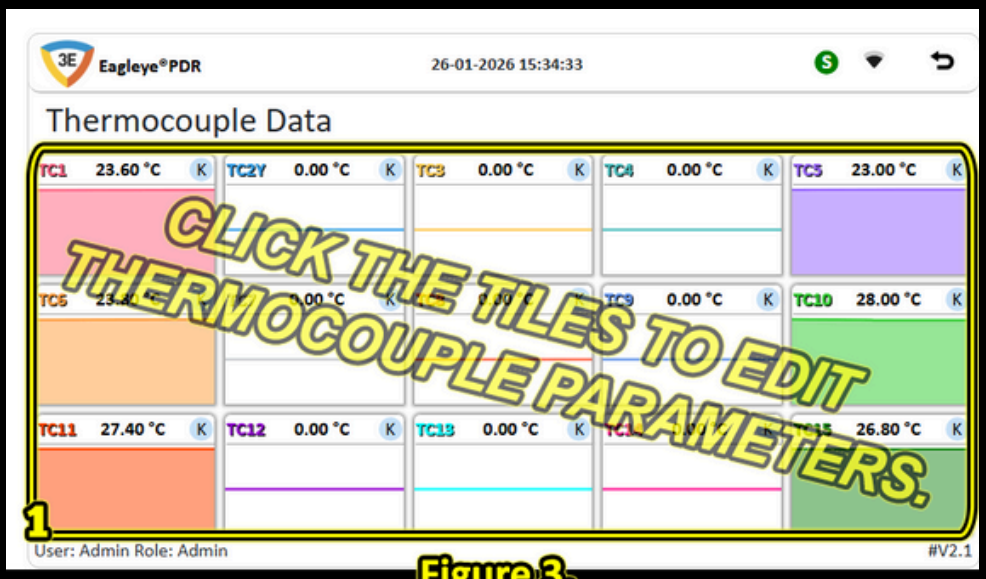


Figure 3.

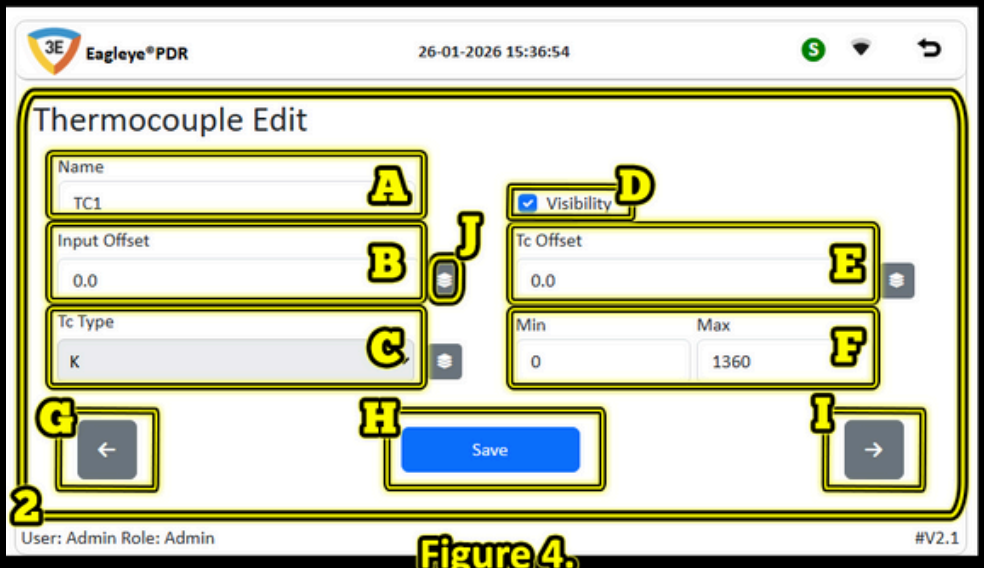


Figure 4.



3. LIVE DATA

A) Assign name to thermocouple.
B) Enter Input Offset value.
C) Select the TC Type.
D) Toggle thermocouple visibility on the Live Data screen.
E) Adjust the thermocouple offset value.
F) Set the Min. – Max. values.
G) Navigate to the previous thermocouple.
H) Save the changes.
I) Navigate to the next thermocouple.
J) Apply the entered value to all thermocouples.



4. GRAPHIC SCREEN

Monitor ambient temperature via 15 integrated thermocouples and display value on chart. Identify thermocouple and color on chart. Plot thermocouple on chart. Refer to *Figure 5* for detail.

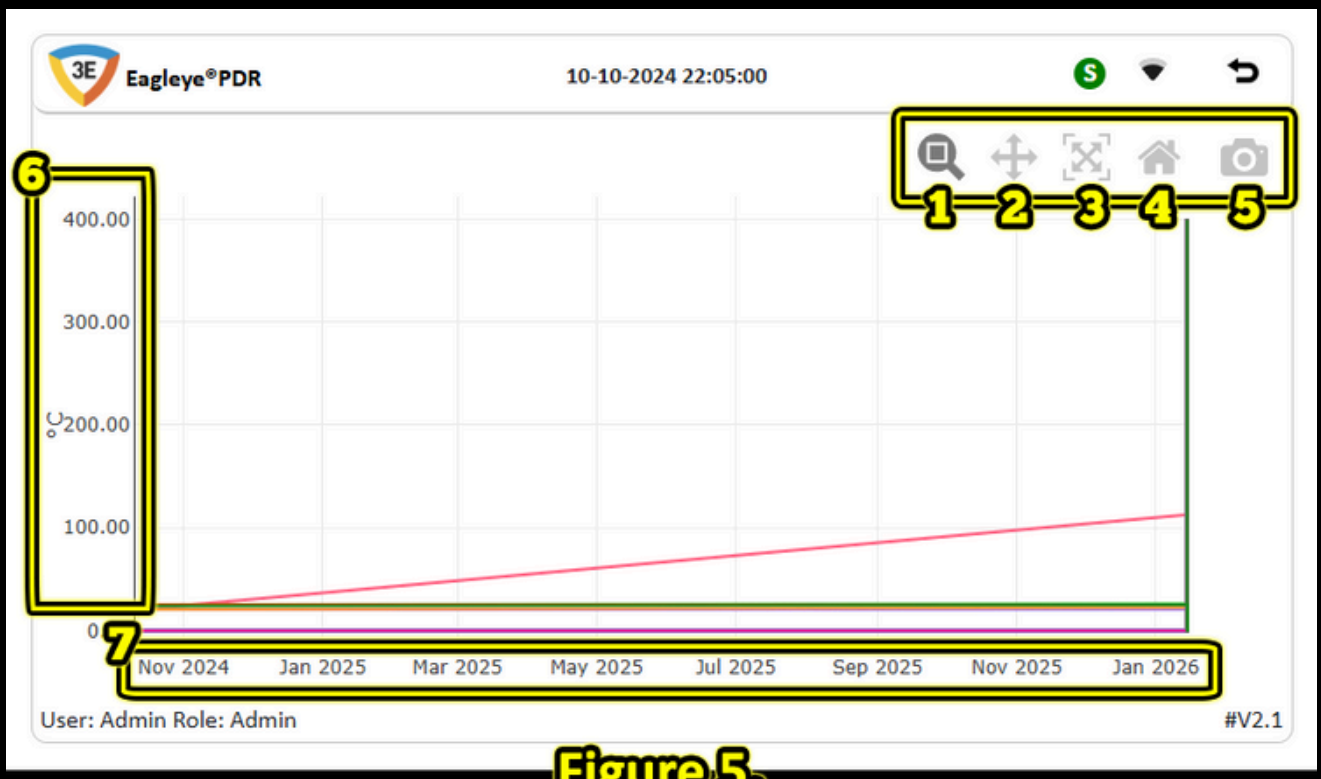


Figure 5.

1) Zoom: Magnify area for detail.
2) Pan: Shift view while zoomed.
3) Auto scale: Fit all data to chart screen.
4) Reset Axes: Return to default scale.
5) Download to USB: Export log to USB.
6) Scroll temperature via Y-axis.
7) Scroll data via X-axis.



5. DATA TABLE

Display read data and timestamp in list view on this screen.

Eagleye®PDR 10-10-2024 22:50:01

Time	TC1	TC2	TC3	TC4	TC5	TC6	TC7	TC8	TC9	TC10	TC11	TC12	TC13	TC14
2026-01-26 12:51:54	23.2	0	0	0	22.9	23.5	0	0	0	28.8	28.2	0	0	0
2026-01-26 12:51:53	23.3	0	0	0	22.9	23.5	0	0	0	28.8	28.2	0	0	0
2026-01-26 12:51:52	23.3	0	0	0	22.9	23.5	0	0	0	28.8	28.2	0	0	0
2026-01-26 12:51:51	23.3	0	0	0	22.9	23.5	0	0	0	28.8	28.2	0	0	0
2026-01-26 12:51:50	23.3	0	0	0	22.9	23.5	0	0	0	28.8	28.2	0	0	0
2026-01-26 12:51:49	23.3	0	0	0	22.9	23.5	0	0	0	28.8	28.2	0	0	0
2026-01-26 12:51:48	23.3	0	0	0	22.9	23.5	0	0	0	28.8	28.2	0	0	0
2026-01-26 12:51:47	23.3	0	0	0	22.9	23.5	0	0	0	28.8	28.2	0	0	0

User: Admin Role: Admin #V2.1

Figure 6.



6. RECORD

View record history and start new record process on this screen. Add new operation to record data (*Refer to Figure 7 for detail*).

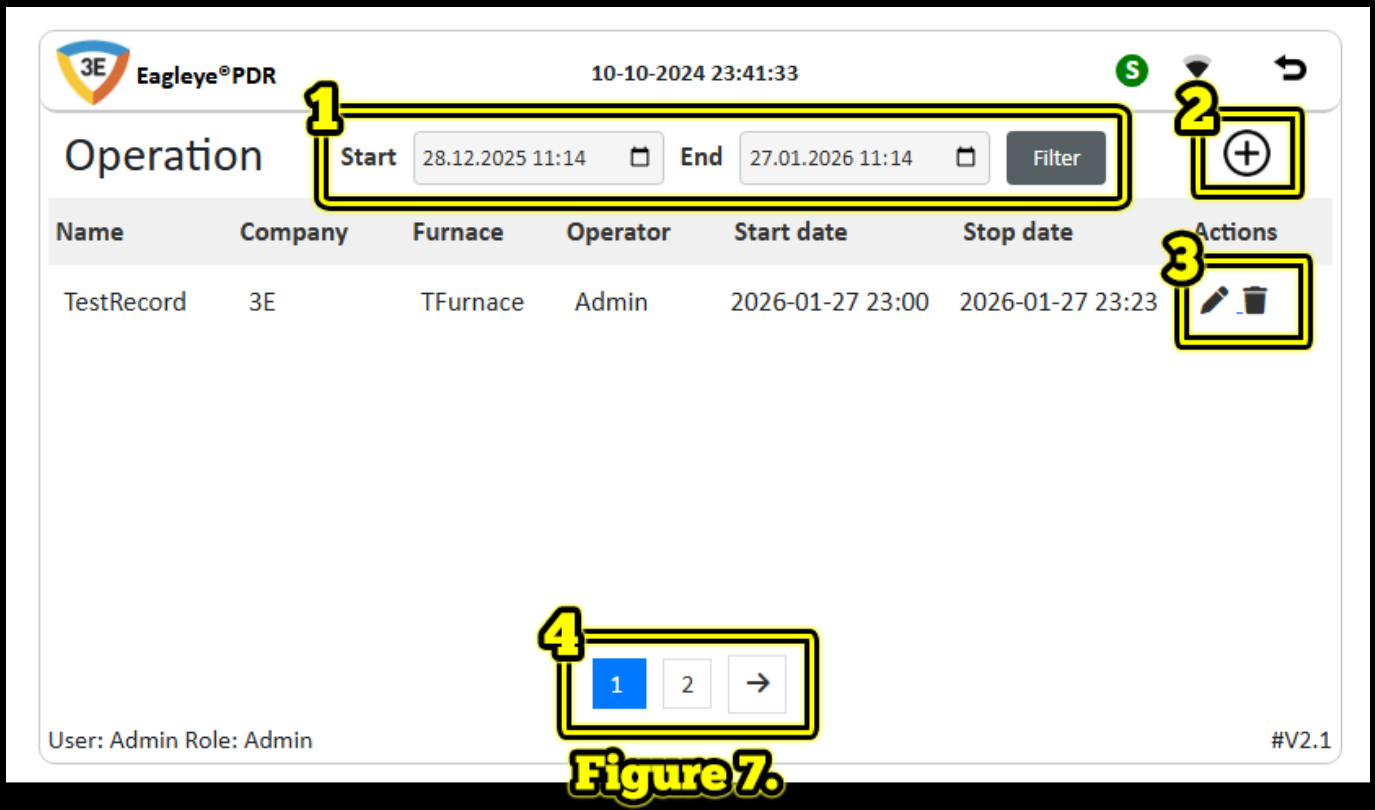


Figure 7.

1) Filter record by date range.
2) Create new operation (*Refer to Figure 8 for detail*).
3) Pen icon: View and edit record. Trash icon: Delete record.
4) Navigate past record list page.



6.1. RECORD

Create New Record

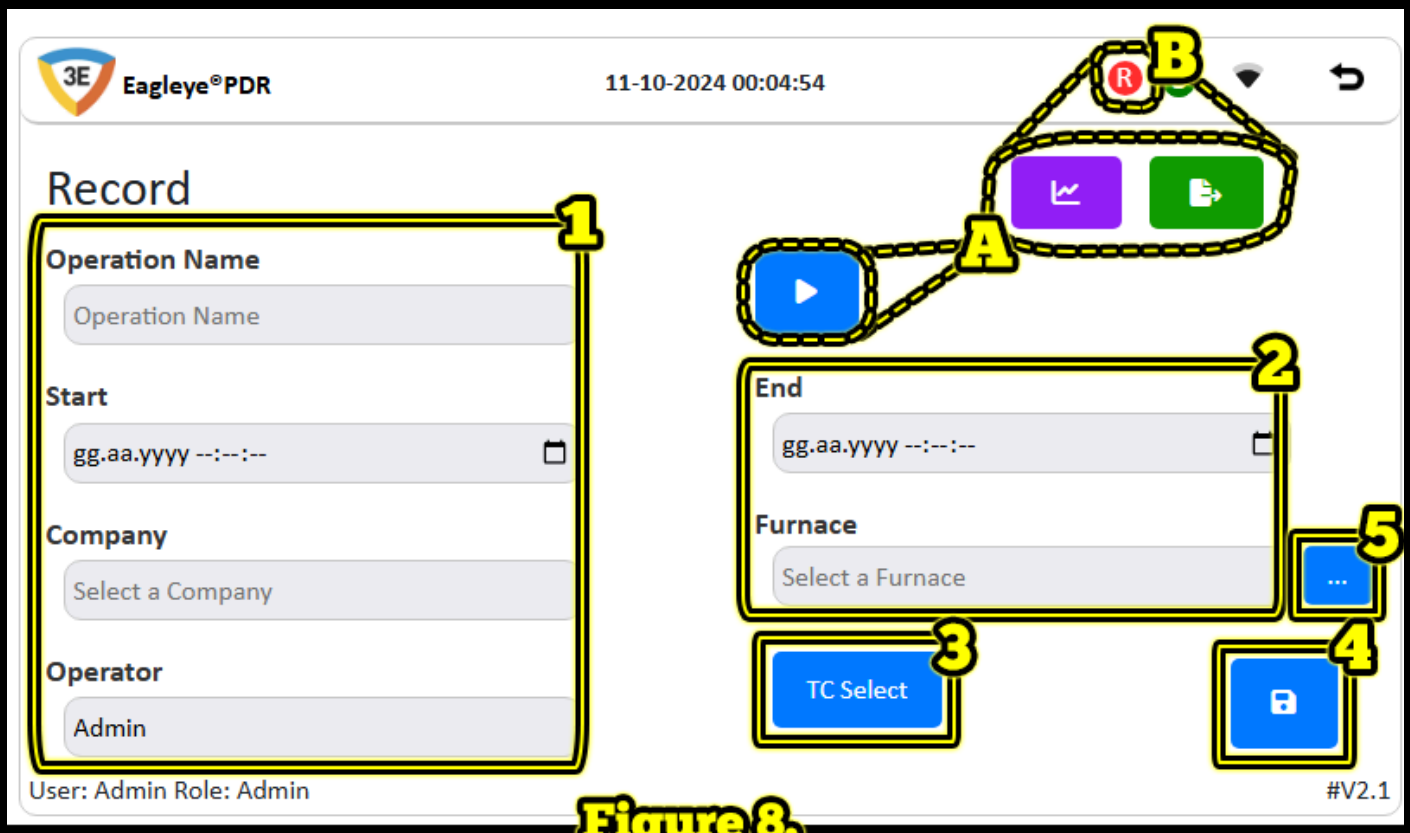


Figure 8.

1) Enter Operation Name, Start Date, Company Name and Operator info.
2) Enter End Date and select the Furnace Name.
3) Select thermocouple.
4) Save changes.
5) Press '...' to create new furnace (Refer to Figure 9 for detail).
6) Press Record button to activate Group A and B:
   - **Group A:** Purple icon (Show record chart), Green icon (Export to Excel).
   - **Group B:** Red 'R' icon (Indicate active recording).

6.2. RECORD

Create New Record: Company & Furnace Management

Add company and furnace info on this screen. Access it via '...' button (*marked as 5 in Figure 8*) on Create New Record screen. *Refer to Figure 9 for detail.*

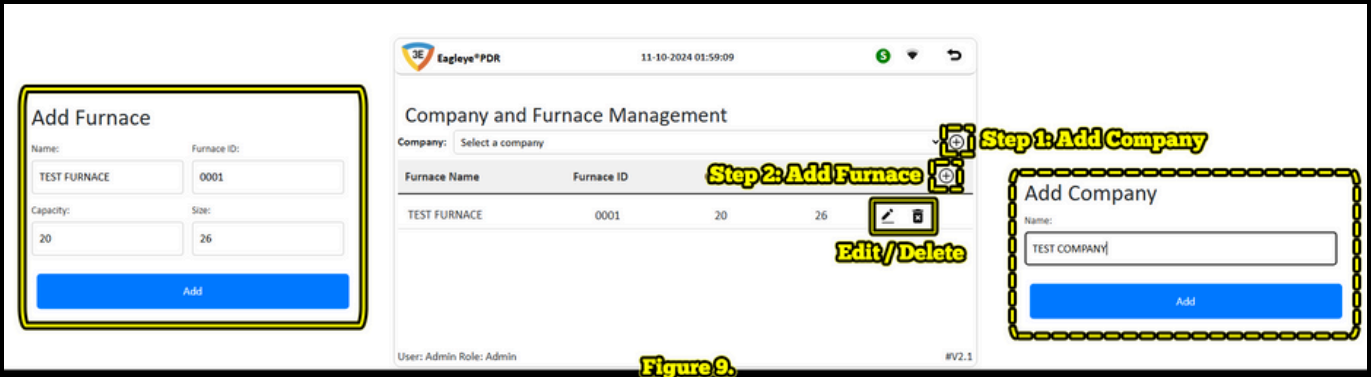


Figure 9.



7. SETTING

Manage system configuration and device status on this screen.

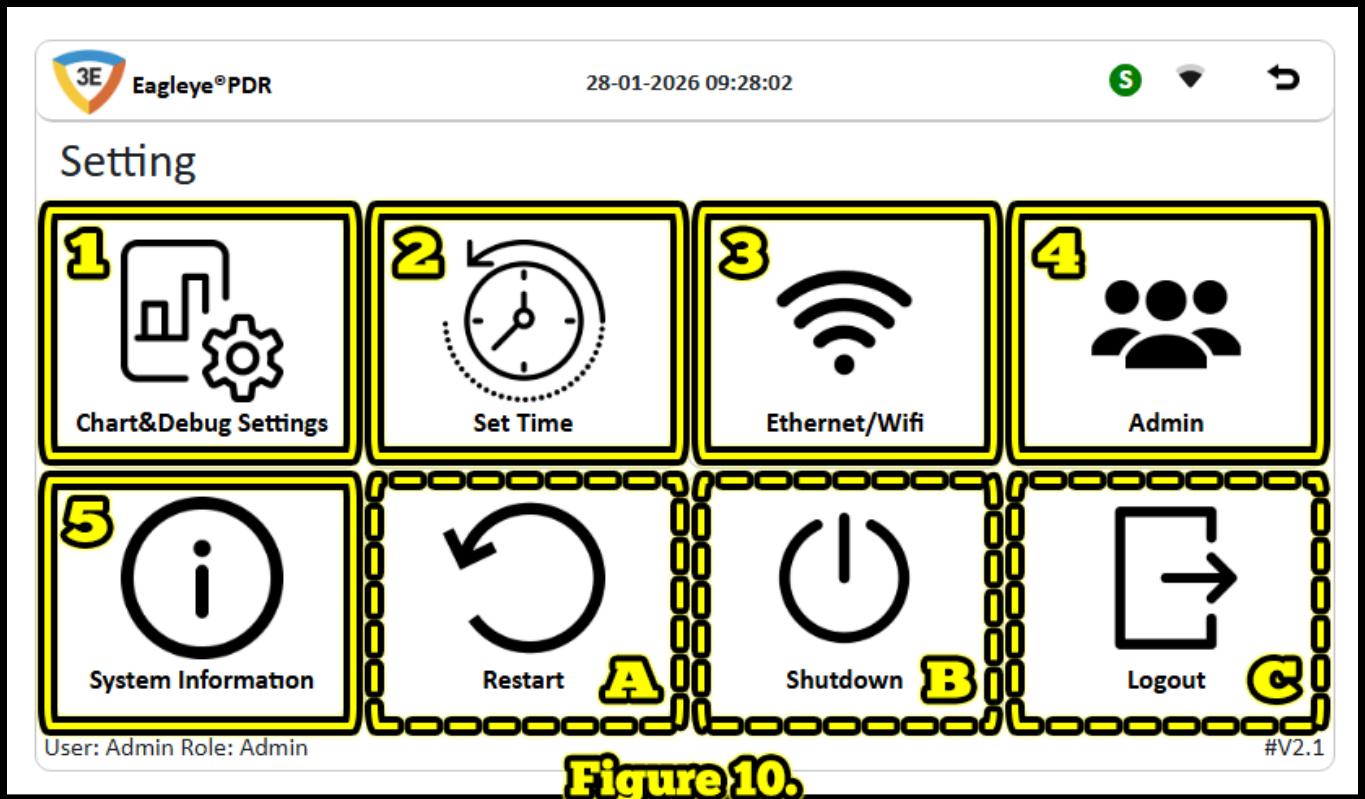
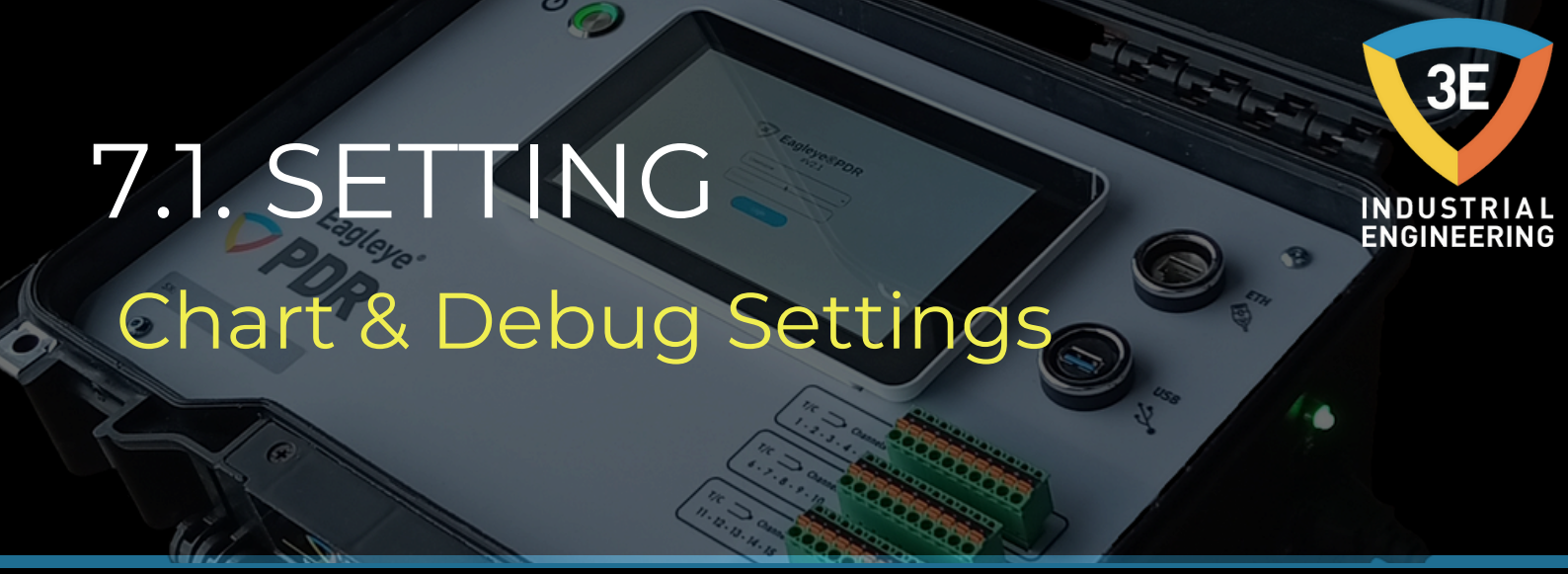


Figure 10.

- A - (Restart): Reboots the device system and software components.
- B - (Shutdown): Powers off the device safely to ensure data integrity.
- C - (Logout): Terminates the current user session and returns to the login screen.



7.1. SETTING

Chart & Debug Settings

Configure visualization and data storage parameter. (*Refer to Figure 11 for detail*)

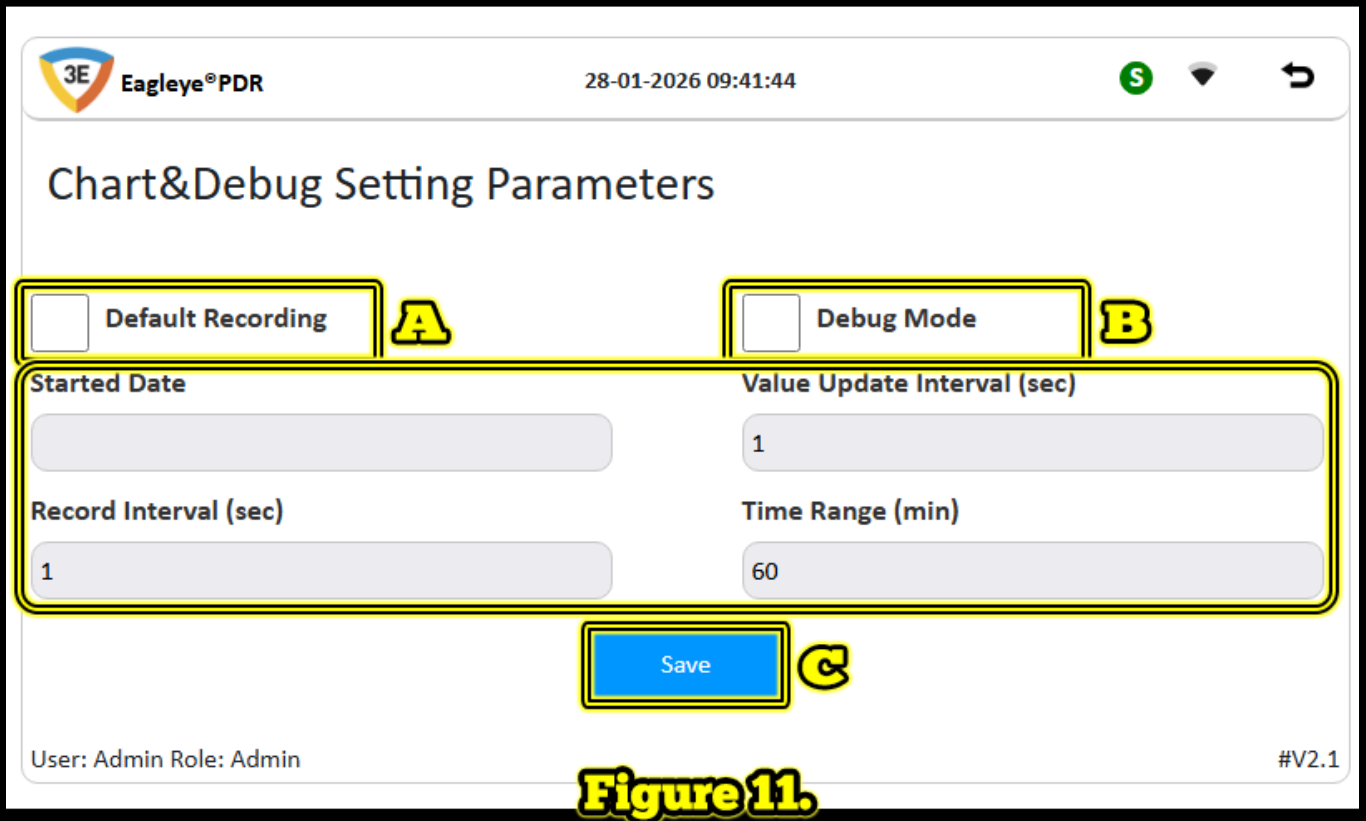
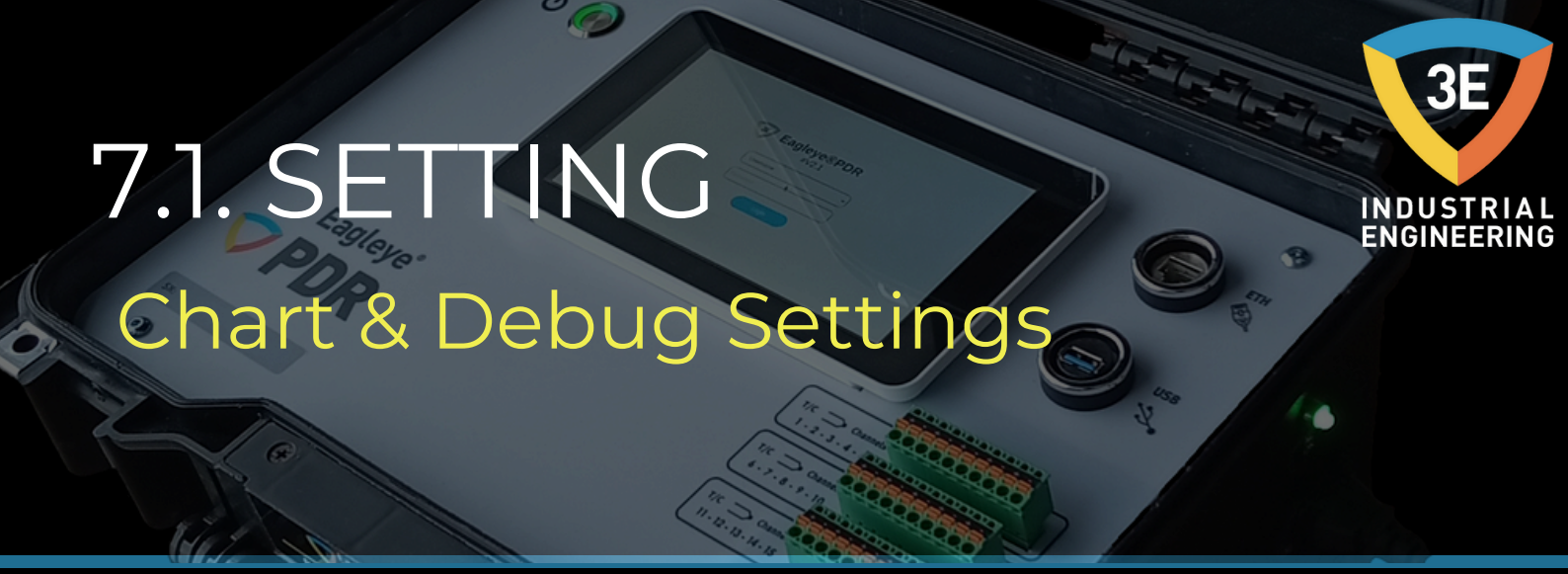


Figure 11.



7.1. SETTING

Chart & Debug Settings

- A - (Default Recording): Enable automatic data recording upon software startup.
- B - (Debug Mode): Activate system diagnostic mode for troubleshooting and log monitoring.
- Value Update Interval (sec): Set frequency of real-time data refresh on Graphic Screen.
- Record Interval (sec): Set frequency of data storage to record file.
- Time Range (min): Set horizontal time scale for chart display (*Refer to Figure 5*).
- C - (Save): Save configuration changes.

7.2. SETTING

Set Time

Adjust system date and clock and save settings using the 'Set Manual Time' button.

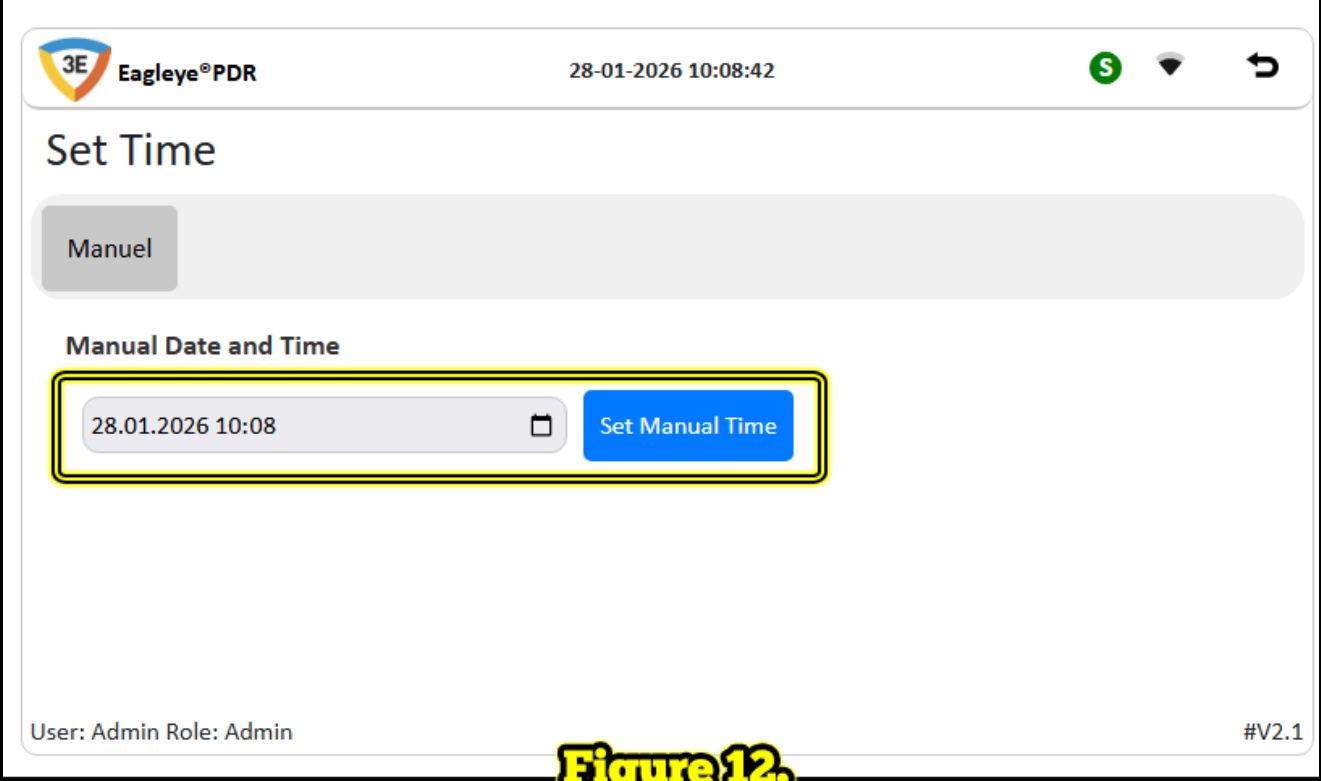


Figure 12.



7.3. SETTING
Ethernet / Wi-Fi

Configure Wi-Fi or Ethernet settings and view network status parameters *(marked in Figure 13)*.

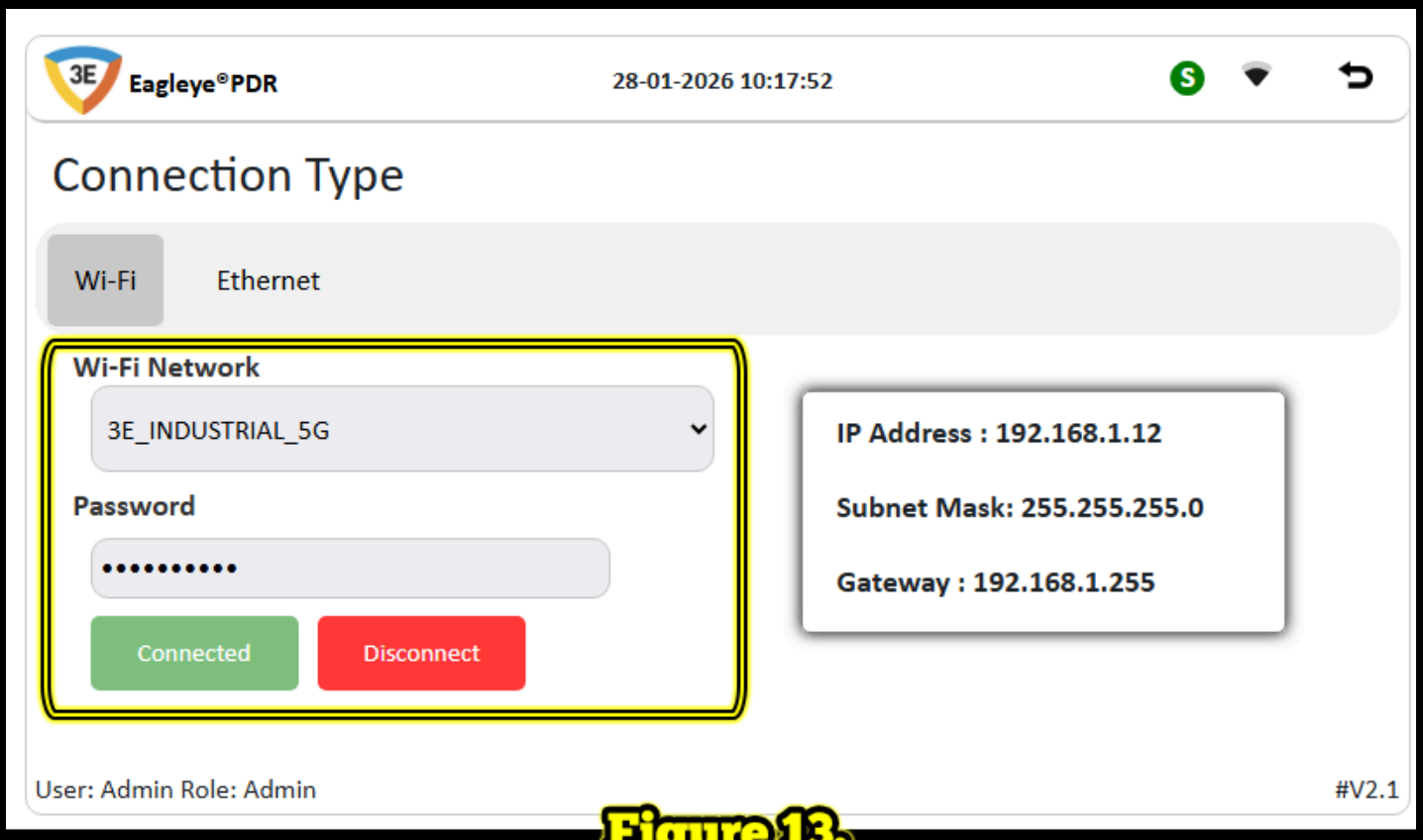


Figure 13.

Figure 13 Note: Access the system interface remotely from any browser-enabled device (PC, tablet, phone) by entering the displayed IP address followed by ':5000' (*example: 192.168.1.12:5000*).

Note 2: Ethernet connection: do not forget to specify a static IP to ensure this connection.

7.4. SETTING

Admin / Users

Manage user accounts and define access levels on this screen. You can monitor the existing user list or modify permissions.



Figure 14-a.

Step 1: Press the 'Add New User' button (*marked as Step 1 in Figure 14-a*) to open the user creation screen.

7.4. SETTING

Admin / Users



Figure 14-b.

Step 2: Enter the Username, a minimum 6-character password, select the appropriate role and press save button (*marked as Step 2 in Figure 14-b*).



7.5. SETTING

System Information

Monitor system status, disk usage(s), device serial number, model, calibration information and manage data history on this screen.

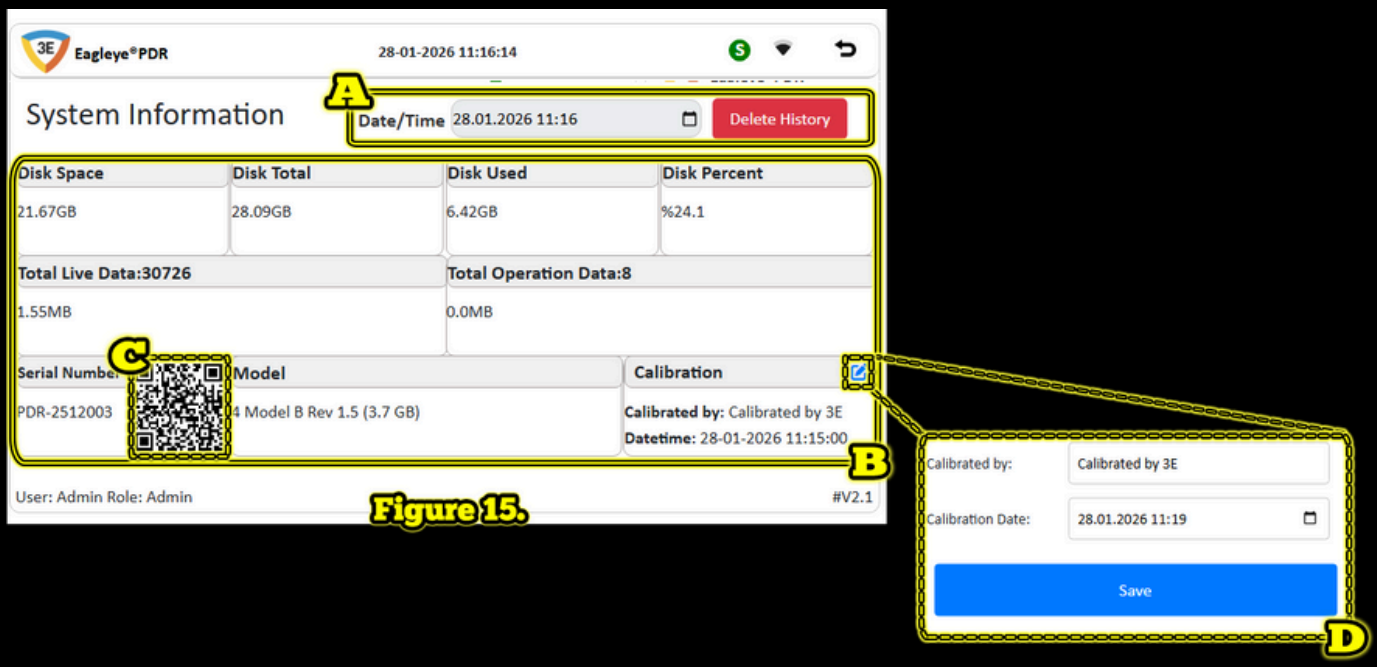


Figure 15.



7.5. SETTING

System Information

- A - (Delete History): Select a date and press 'Delete History Button' to permanently remove all recorded data prior to that date.

- B - (System Data Area): Monitor hardware and storage parameters including Total Disk Space, Disk Used, Disk Percentage, Total Operation Data, Device Serial Number, Device Model and Calibration details.

- C - (QR Code): Scan the QR code to instantly access the remote login interface via mobile or tablet. This automates the remote access process defined in the Ethernet/Wi-Fi section (*See Figure 13 Note*).

- D - (Calibration Update): Press the edit icon to update the calibrator's name and calibration date.



8. WEB SERVICE FEATURE

Monitor all screens from any device on the network (phone, tablet, PC) via a browser, without additional software or setup. Connect as described in the *Figure 13 note and Figure 15 QR code.*





EAGLEYE PDR

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