



MyDataPortal

User Guide

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MDP Overview

MDP allows users to connect to all variants of D3 base station systems from outside of the network to which it is connected. This means that by using MDP users have full access to their D3 information from any device with a web browser from any location in the world (as long as they have internet access)!

Security Overview

MDP uses HTTPS connections encrypted with the latest cyphers, it is software hardened and acts as a reverse connection between the user's browser and the D3 on site. None of the systems stored data is held/recorded on MDP, it acts like a VPN to allow users direct system access.

The software hardening includes; only allowing get and post functions, meaning MDP is locked down and does not provide access outside of its direct connection, users cannot access the network connected to the D3 using MDP.

Note: The default D3 passcode WILL NOT work on MDP.

1. Set-up a D3 to use MDP - see Set-up Manual for full instructions

Access to MDP is disabled by default within the D3 base station, to use MDP access must be enabled.

Enabling Portal Access on a D3
SITE => SETTINGS => NETWORKING => Portal Access

Users with remote access rights can use "mydataportal.co.uk".

Portal Access - Default = off, select enabled for portal access to be activated
Site ID - This is unique to the D3 base station and is required to access via "mydataportal.co.uk"
Connection Status - shows the current connection status of the base station with "mydataportal.co.uk"

2. Accessing MDP

www.mydataportal.co.uk

There are two access levels available:

Account Access – this is a paid for service which allows access to multiple D3 with various administration/user levels. The user instructions covered in further detail within this manual.

Connect Direct – this is a free to use service, it allows users to access a single on-site system directly.

2.1. Connect Direct

Clicking the Connect Direct button opens the "Connect Direct To Remote Device" screen.

User ID – this is the "User Name" for accessing the D3
Password – this is the "Password" for accessing the D3
Site ID – this is the site ID found on the D3's "Portal Access" page or the "Info Page"

Once all 3 have been entered click "Connect", access will now be granted to the D3 as if connecting via the network connection.



Note:- If access fails ensure the User has portal access enabled within their system access rights.

2.2. Account Access

Only customers that have a MyDataPortal account can access MDP using this method.

Note: This is a paid for service. Refer to your system supplier for access costs.

This manual refers to systems with software versions of 6.0.0.0 and above only. Functionality will vary on a lower software version.

Email – enter your accounts email address

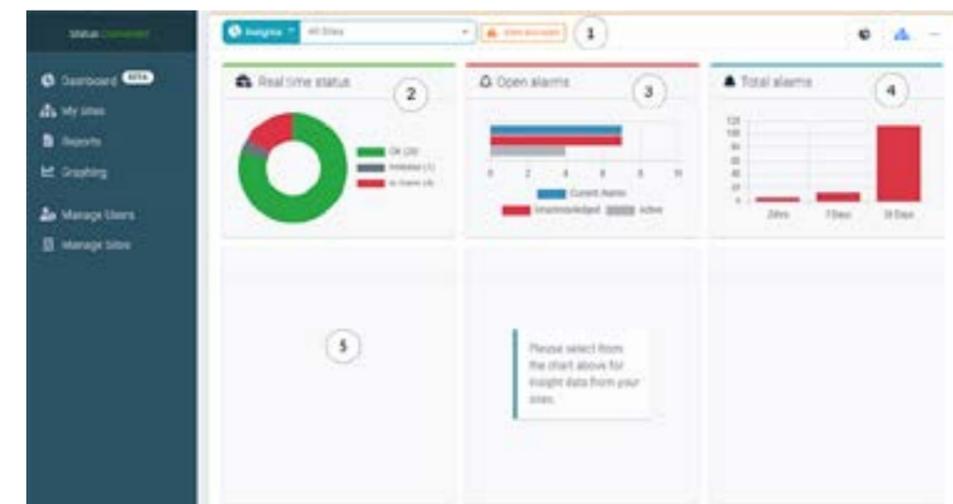
Password – enter your account password

Select "Log In" to enter the MDP site.

3. Dashboard

The dashboard gives a visual insight on all systems the user has access too through MDP.

3.1. Insight View



Site Administrators – see all sites attached to their MDP account

Users - only see sites to which they have been given privileges

1) - By default Insights is set to "All Sites", the drop-down box allows for the Insight view to be selected for just on site.

"Sites Excluded" - if shown this means that sites have been excluded from the Insight view, by selecting the "Site Excluded" a pop-up will show the site and reason for exclusion from the Insight results.

2)- Real Time Status - this shows the actual status of all sites at this moment in time (the status updates at a maximum of every 90 seconds).

Green - All sensors that are within their set parameters

Grey - All sensors that are inhibited

Amber - All sensors that are outside of their alarm set points but within the alarm delay period set

Red - All sensors that are in an active alarm state at this moment in time

Blue - Offline - sensors that are not currently returning a reading

3) - Open Alarms - this shows all open alarms, this can differ from the "Real Time Status" volume.

Blue - Current Alarms - this is all sensors that show an alarm state, this is all active alarms and un-acknowledged alarms (which may have cleared).

Red - Unacknowledged - this shows the total volume of alarms that remain unacknowledged on the system, these alarms may be currently active or could have cleared.

Grey - Active - this is all alarms that are currently in an active alarm state.

4) - Total Alarms - this shows the total alarms that have occurred in the last 24 hours, 7 and 30 days.

5) - View panes, by selecting any of the coloured items in the boxes above more information will be displayed in the view panes.

E.g. selecting "Total Alarms 30 Days" shows;



i) - The volumes of alarms by site in the first pane box, as Insight is set to multi site, this shows the sites with the highest volume of alarms in ascending order.

ii) - By selecting the site "Tek Demo" the second pane updates to show the alarms per sensor over the period, by volume in ascending order.

iii) - By selecting "Meter" the 3rd pane updates to show the individual alarms for the period. Selecting an individual alarm opens a pop up with more information on that alarm.



3.2. Diagnostics



The "Diagnostics" page gives an at a glance view of the sites current status with regards to software versions being run, the battery status of wireless transmitters and any back-up issues with systems.

Information on a sites current operational status can be seen in the "Engineering View" within the "My Sites" pages - see Section 5.4 Site Engineering View

1) - Software - This shows the software version on all connected systems (not including "Sites Excluded").

- i) - Select the Version Log icon to open the Version Log pop-up. The version log gives information on the system changes between software versions.
- ii) - Software updates are available through the system supplier.

2) - Low Battery - this shows the total volume of sensor transmitters reporting a low battery status.

3) - Backup Fail - give the total volume of any backup failures in the last backup period.

4) - View Panes - by selecting any of the data in the above boxes more information is shown in the view panes (in the same manor as at the "Insight View").

3.3. Dashboard to My Sites Toggle Buttons

In the top right hand corner of the Dashboard are 3 sets of toggle buttons, these buttons are;

a) - Pie Chart - to access the "Insight/Diagnostics" pages.

b) - Network or Site Image -

i) - Network Image - if in "All Sites" on Dashboard this shows the selected "My Sites" view for all sites the user has access too.

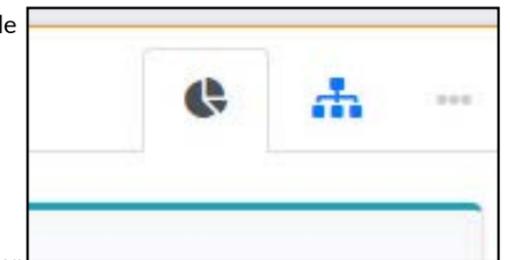
ii) - Site Image - If in an individual "Site" on Dashboard, then this shows the "Site View" for the site selected.

c) - 3 Dots -

Site Image - If in the individual site view then these dots become active and allow a user to;

i) - enter "Site Credentials" for the D3 (see MDP Setup Manual, Section 4.2 Adding Site Credentials).

ii) - "Remote Connect" to open a direct connection to the D3 for this site in a new window.



4. My Sites

"My Sites" pages can be accessed via menu option or using the My Sites toggle icon on the top right of the Dashboard page.

My Sites has 2 views for looking at all sites the user has access too, these views are accessed via the My Sites toggle icon.

By selecting the My Sites icon the options for Card or List view are available. The last selected view becomes the default view the next time the "My Sites" page is accessed.

4.1. Card View

Card view shows a card for each site the users have access to view, the card includes;

- the status of the system, if there are alarms then the number of alarms is shown (Virtual Sites do not display the number of alarms)
- the site logo (if included when creating the site), the site name and the location information input during the site creation.
- 3 Dots - allowing for "Site Credentials" and "Remote Connect".
- Last Update - this is the time MDP last received data from the D3 on site, (Virtual sites do not display the last update time).
- View - hovering the cursor over the centre of the card displays the view option, this is used to select the "Site View" pages, see Section 5 Site Views.



4.2. List View

List view shows all sites the user has access too, the list includes:

Name	Location	Remote Connect	Status	Last Updated	Actions
Brew Monitoring	Cartledge Beer House		6 Alarms	15:56	
Demo and Dev Smart	UK		0 Alarms	---	
Dev D3	Development		6 Alarms	15:56	
JD Virtual	multi site		0 Alarms	---	
Lab Cal	Calibration Lab		6 Alarms	15:56	
Live Bakery	Bakery		2 Alarms	15:56	
Test Demo	Site Demo		Online	15:56	
The Site Group	South		Alarms	15:56	

- Name & Site Type Image and location - Selecting the site name (in orange) or the "Visit Site" icon (in front of the site name) opens the "Site View" pages, see Section 5 Site Views.
- Remote Connect icon - if the "Site Credentials" have been added then a direct connection can be made to the D3 from this page by selecting the icon.
- Status - shows the status of the connection, if a site has alarms the number will be shown in the status tab.
- Last Updated - the time MDP last received data from the D3 on site.
- Actions - Edit Connection icon, selecting the edit icon allows the user to update the user details for direct connection to the D3. Direct connection cannot be made from this page.

5. Site View

Remember MPD allows users to view data from a D3, MDP cannot be used to modify settings or acknowledge alarms on a D3, a user will need to "Direct Connect" to carry out these functions.

There are 4 different pages available in which to view data from a site, select the site icon to change views. The last selected view becomes the default for viewing site information, the views available are;

5.1. Site List View

The site list view is a near identical view of the information as seen on the direct connection "Status Page" on a D3.

Ref	Name	Hi / Lo Alarm 1	Hi / Lo Alarm 2	Reading	Status
BC1	30L Brew Chamber				
1a	Brew Chamber Temp	15.0/3.0	30.0/0.0	17.37 °C	OK
1b	Wort Temperature	30.0/0.0		16.72 °C	OK
BC2	50L Brew Chamber				
2a	Chamber Temperature	25.0/3.0	30.0/0.0	17.25 °C	OK
2b	Wort Temperature	27.0/3.0		17.30 °C	OK
BC3	Drying Chamber				
3a	Chamber Temperature	70.0/0.0		No Reading	ERR
Amb	Wash House Ambient	30.0/0.0	40.0/0.0	17.24 °C	OK
KEE	Keen	0.0/0.0		3.74 °C	OK

If sensors are grouped on the D3 then this is reflected in the view seen on MDP, these groups can be toggled open and closed.

The current alarm set points are shown as is the current reading and status of the sensor.

Selecting the sensor "Name" in Orange or the "View Sensor Details" icon (in front of the sensor "Ref") opens the details page for that sensor.

5.1.1. Sensor Details Page



1) - Status Pane

- Current Status - default view - "Heart" icon - this view shows the current status of the sensor, the current reading, an indication of signal strength, quality of signal, battery status and the time the last reading was received.

b) - Set Points - "Information" icon - this shows the set points and alarm delays set for the sensor.

2) - Alarms Pane

The Alarm pane shows details of the last 5 alarms for the selected sensor. This can be refreshed to add a recently received alarm notification.

a) - "Graphing" icon - selecting the graphing icon opens the graph for the alarm event, it opens in the "Graphing Pane" - see 3) below. Selecting "Close" returns the graphing pane to the current 24 hour reading graph.

b) - "View Details" icon - selecting the view details icon opens the "Alarm/Event Details" pop-up, this shows the details of the alarm event as well as any alarm comments entered.

c) - Date & Time - shows when the alarm event occurred.

d) - Alarms - this shows the type of alarm event, e.g. Temperature Alarm, selecting the event (in orange) will open the "Alarm/Event Details" pop-up.

3) - Graphing Pane

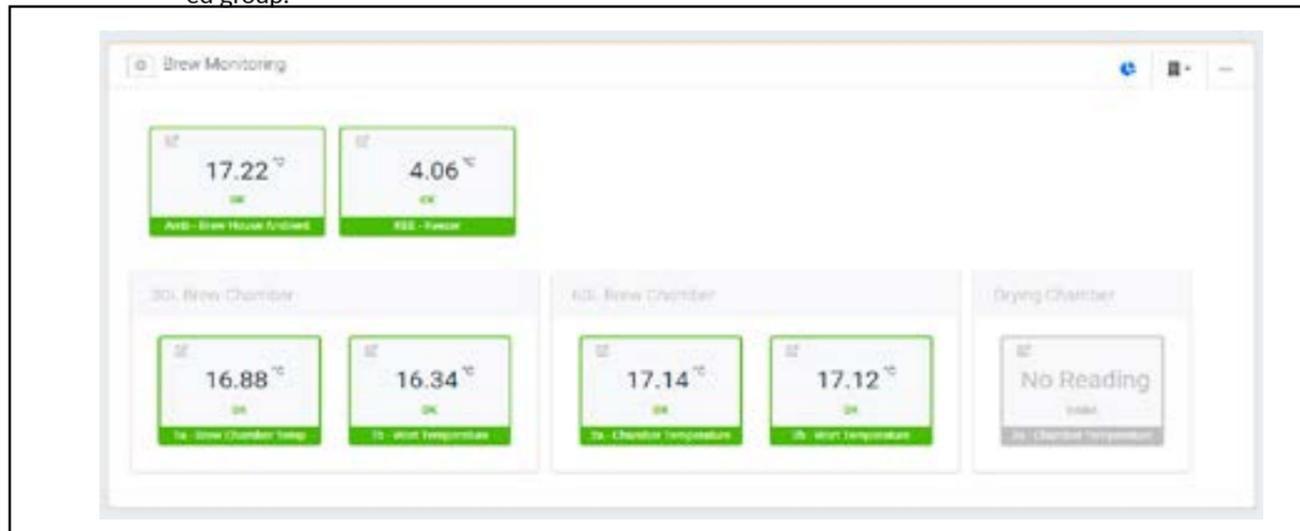
The graphing pane shows the sensors readings over the past 24 hour period. Hovering the cursor over the graph will show the time and reading information on the right of the pane.

A left mouse click, hold and drag within the graph will zoom in on information, a left mouse double click will return the graph to the 24 hour period.

Selecting the refresh will update the graph to the latest 24 hours readings.

5.2. Site Card View

The card view shows the sensor readings in a card format, grouped sensors are shown in their associated group.

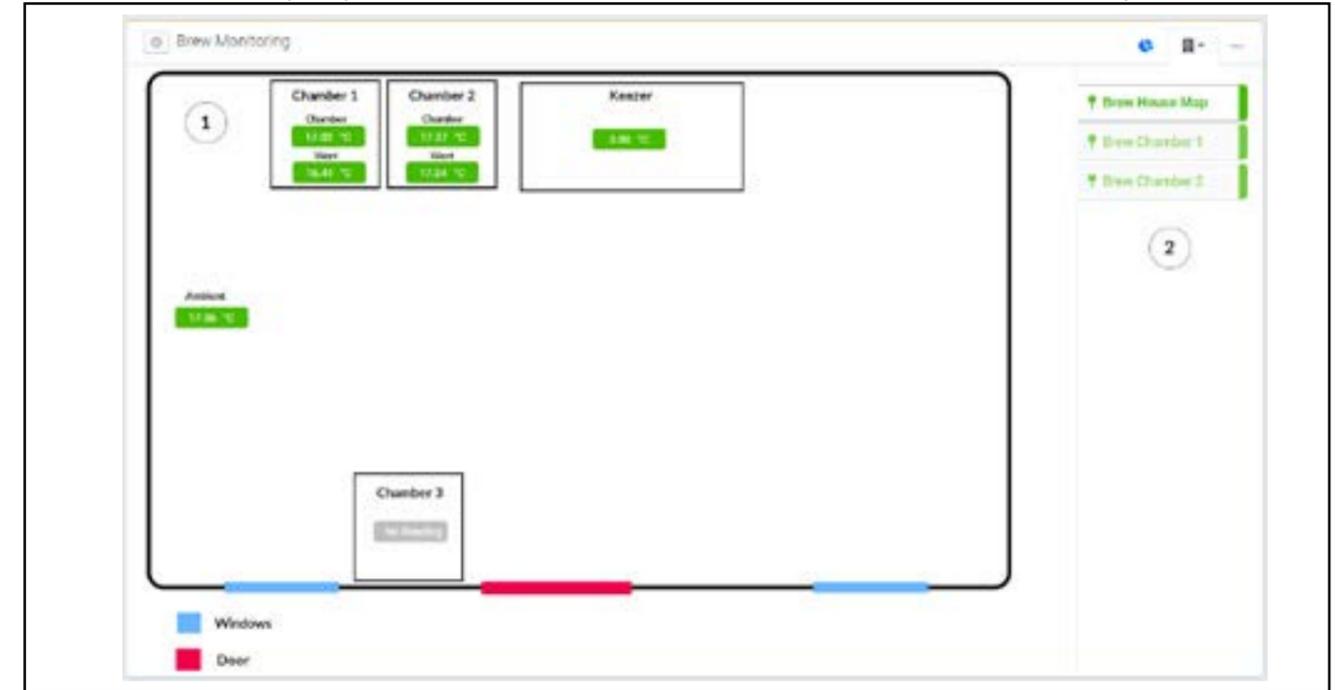


The card for each sensor shows the current reading and status (also indicated by colour).

Selecting the "View Sensor Details" icon in the top left corner of each card opens the "Sensor Details Page" - see Section 5.1.1 Sensor Details Page.

5.3. Site Plan View

If a site plan/plans has been added for the site then these will be available in the site plan view.



1) - the plan view opens to the current default view for the site.

a) - each sensors readings are shown with the status colour coded.

b) - hovering the cursor over the reading brings up the card view for the sensor.

i) - selecting the "View Sensor Details" icon in the top left corner of the card views opens the "Sensor Details" page - see Section 5.1.1 Sensor Details Page.

2) - More than one plan can be added for a site, e.g. an overview then detailed plans for different areas. When selected the new plan view will be seen in 1).

5.4. Site Engineering View

Similar to the list view, the engineering view also includes details of the last reading time and date, the signal quality, strength and the battery status.

The engineering view is designed to give an overview of the current performance of the sensor status on site.

6. Reports

Report generation directly on MDP are not yet available but will be added soon.

7. Graphing

Other than already outlined in this documented, extended graphing functions are not yet available on MDP but will be added soon.



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