

ChemDash ONE

User manual

Version 5.13.2



Table of Contents

1. Introduction to ChemDash	1
1.1 Introduction to ChemDash ONE – the stand-alone solution	1
2. ChemDash ONE	1
2.1 How to connect a Serstech 100 Indicator to ChemDash ONE	1
2.2 Manage Device.....	4
2.3 Manage Device Details.....	6
2.4 Manage ChemDash Users	7
2.5 Edit Settings	7
2.6 Adding instrument Users.....	8
2.7 Device Upgrade.....	10
3.0 Manage Data	11
3.1 Manage measurements.....	11
3.1.1 Create measurement report	13
3.2 Manage libraries.....	14
3.2.1 Create a new library	15
3.2.2 Add data from measurements	17
3.2.3 Edit new library	18
3.2.4 Send the new library to a Serstech 100 Indicator.....	19
4.0 Create System Reports	20

1. Introduction to ChemDash

ChemDash is a software developed by Serstech AB. The ChemDash system integrates with all Indicator spectrometers towards a powerful solution for chemical intelligence. ChemDash is the perfect tool for storage, view and management of data including both libraries and measurements. ChemDash also offers the ability to gather and share information about substances and update one or many instruments.

The ChemDash system currently consists of the ChemDash ONE application. ChemDash ONE is a stand-alone version of ChemDash. If the User is offline or have restrictions for sharing, ChemDash ONE is the right software.

1.1 Introduction to ChemDash ONE – the stand-alone solution

ChemDash ONE is an application designed for one User, one PC, one device (Serstech 100 Indicator) and to operate without Internet connection. ChemDash ONE offers to the User the following main features:

- USB cable connection for Indicator and PC for fast and local management of measurement data.
- User can manage its Indicators, monitor their status and manage instrument Users.
- User can manage all measurements made with the Serstech 100 Indicator which will be automatically uploaded to the computer as soon as the Indicator is connected. The measured spectra will be visible in the Data section for further work.
- User can manage and tailor the solution according to its needs. User can also build its own spectral reference libraries and download them for use with selected Indicator devices. Libraries can be built from any combination of individual data (Indicator measurements).

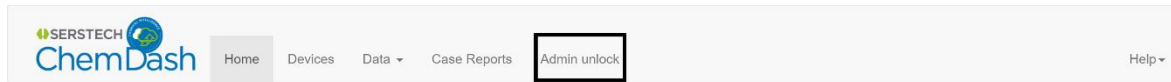
2. ChemDash ONE

2.1 How to connect a Serstech 100 Indicator to ChemDash ONE

ChemDash ONE and the Indicator communicate over the supplied USB cable. The best way to connect the two is to respect the following order:

1. Connect the Indicator and the computer via the USB cable.
2. Start the software ChemDash ONE.
3. Click on the Admin Unlock and type in your personal password.
4. Start the Indicator.

Please note, that the Indicator and the ChemDash ONE communicate via port 9093 and some firewalls need to be configured to allow traffic on this port. If there are any error messages about communication via port 9093 then its most likely that the computer firewall needs to be configured to allow traffic via port 9093.



Start with

Your Libraries
Your Measurements
Your Devices

Help and Support

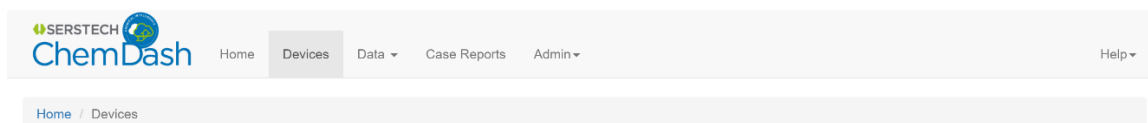
ChemDash User Guide
Indicator 100 User Manual
Contact Serstech
Go to serstech.com



Welcome to Serstech ChemDash!

As soon as you connect your device to ChemDash, you can:

- Access your measurements
- Manage your devices
- Review and analyse measurements
- Manage libraries
- Store data
- Export data
- Print reports



Device Management

<div> <div></div> <div>Search...</div> </div>								
	Device Tag	Device	Connection	Status	Last Seen	Model	Software Version	Calibration Date
		Q	Q	(All)	Q	Q	Q	Q
Device ▼		130803E90005	Disconnected	OK	5/7/2019, 11:56	Serstech 100 Indicator	5.2.8	5/6/2019, 11:33
Device ▼		130803E90010	Disconnected	OK	5/6/2019, 14:34	Serstech 100 Indicator	5.2.8	5/6/2019, 11:10
Device ▼		00000000007E	Not admin	OK	5/8/2019, 11:45	Serstech 100 Indicator	5.2.8	4/17/2019, 15:57
Device ▼		00000000016D	Disconnected	Rebooting	4/17/2019, 15:02	Serstech 100 Indicator	5.2.8	4/9/2019, 15:06
Device ▼		000000000071	Disconnected	Rebooting	4/17/2019, 14:51	Serstech 100 Indicator	5.2.8	3/12/2019, 10:29
Device ▼		00000000016E	Disconnected	OK	4/17/2019, 10:34	Serstech 100 Indicator	5.2.8	2/25/2019, 08:48

The Indicator status in ChemDash will change as soon as a User with the “ChemDash Connection Privilege” has logged in on the Device, please see picture below.

SERSTECH ChemDash Home **Devices** Data 55 Case Reports Admin Help

Home / Devices [Window Snp](#)

Device Management

	Device Tag	Device	Connection	Status	Last Seen	Model	Software Version	Calibration Date
Device ▼		130803E90005	Disconnected	OK	5/7/2019, 11:56	Serstech 100 Indicator	5.2.8	5/6/2019, 11:33
Device ▼		130803E90010	Disconnected	OK	5/6/2019, 14:34	Serstech 100 Indicator	5.2.8	5/6/2019, 11:10
Device ▼		00000000007E	Connected	OK	5/8/2019, 11:46	Serstech 100 Indicator	5.2.8	5/3/2019, 07:37
Device ▼		00000000016D	Disconnected	Rebooting	4/17/2019, 15:02	Serstech 100 Indicator	5.2.8	4/9/2019, 15:06
Device ▼		000000000071	Disconnected	Rebooting	4/17/2019, 14:51	Serstech 100 Indicator	5.2.8	3/12/2019, 10:29
Device ▼		00000000016E	Disconnected	OK	4/17/2019, 10:34	Serstech 100 Indicator	5.2.8	2/25/2019, 08:48

In order to get full connectivity with a “ChemDash ONE Connection Privilege” the User needs to log into the Indicator as an Admin while being connected to ChemDash ONE. Thus, any User logged in the Indicator can connect the Indicator to ChemDash ONE and upload new measurements.

If the User tries to change an Indicator from ChemDash ONE on one computer to ChemDash ONE on another computer, ChemDash ONE will notice and notifies the User with the status "Moved device", please see picture below.

SERSTECH ChemDash Home **Devices** Data Case Reports Admin Help

Home / Devices

Device Management

	Device Tag	Device	Connection	Status	Last Seen	Model	Software Version	Calibration Date
Device ▼		000000000092	Moved device	OK	5/8/2019, 13:29	Serstech 100 Indicator	5.2.7	4/29/2019, 09:44
Device ▼		130803E9000E	Disconnected	OK	5/8/2019, 12:51	Serstech 100 Indicator	5.2.8	4/19/2019, 08:24
Device ▼		130803E90005	Disconnected	Rebooting	5/8/2019, 12:50	Serstech 100 Indicator	5.2.8	5/7/2019, 09:58
Device ▼		00000000016E	Disconnected	Processing	5/8/2019, 12:50	Serstech 100 Indicator	5.2.8	5/3/2019, 07:17

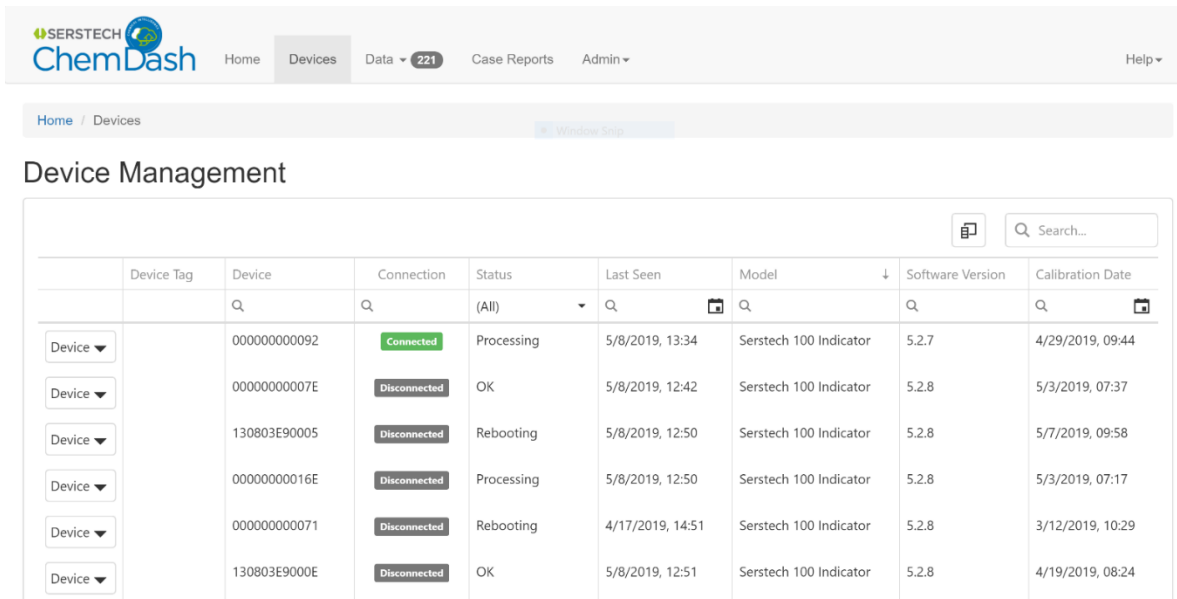
In this particular case, so as to connect to a new instance of ChemDash ONE, the User needs to disconnect the Indicator from the old instance of ChemDash ONE. In order to disconnect the indicator, please do the following:

1. Log in the Indicator as Admin.
2. Press the Quick Menu button and select Settings.
3. After, select Administration and Unpair Device.
4. Once the device is unpaired, it will restart.

- After the Indicator has unpaired a User with the "ChemDash ONE Connection Privilege" needs to log in the Indicator again, while it is connected to the new instance of ChemDash to allow data to be uploaded.

2.2 Manage Device

The "Device Management" page will show a list of all Indicators in Users' organisation and their current connection (connected/disconnected).



The screenshot displays the ChemDash ONE interface. At the top, there is a navigation bar with the Serstech logo, 'ChemDash', and links for Home, Devices, Data (221), Case Reports, and Admin. A 'Help' dropdown is also present. Below the navigation bar, a breadcrumb trail shows 'Home / Devices' and a 'Window Snap' button. The main heading is 'Device Management'. Below this is a table with the following columns: Device Tag, Device, Connection, Status, Last Seen, Model, Software Version, and Calibration Date. The table contains six rows of device data. The first row shows a device with a 'Connected' status and 'Processing' status. The other five rows show devices with a 'Disconnected' status and various statuses like 'OK' or 'Rebooting'.

	Device Tag	Device	Connection	Status	Last Seen	Model	Software Version	Calibration Date
Device ▼		000000000092	Connected	Processing	5/8/2019, 13:34	Serstech 100 Indicator	5.2.7	4/29/2019, 09:44
Device ▼		00000000007E	Disconnected	OK	5/8/2019, 12:42	Serstech 100 Indicator	5.2.8	5/3/2019, 07:37
Device ▼		130803E90005	Disconnected	Rebooting	5/8/2019, 12:50	Serstech 100 Indicator	5.2.8	5/7/2019, 09:58
Device ▼		00000000016E	Disconnected	Processing	5/8/2019, 12:50	Serstech 100 Indicator	5.2.8	5/3/2019, 07:17
Device ▼		000000000071	Disconnected	Rebooting	4/17/2019, 14:51	Serstech 100 Indicator	5.2.8	3/12/2019, 10:29
Device ▼		130803E9000E	Disconnected	OK	5/8/2019, 12:51	Serstech 100 Indicator	5.2.8	4/19/2019, 08:24

In Device Management, you can view basic facts about the device, such as serial number, connection and when the device was last logged into ChemDash ONE. You can also review the software version running on the Indicator and when the device was last calibrated.

By clicking on the "Device" button to the left in the device table, a submenu shows the actions you can perform with your Indicator, please see picture below.

The screenshot shows the ChemDash ONE web interface. At the top is a navigation bar with the Serstech logo, 'ChemDash' text, and links for Home, Devices, Data (565), Case Reports, Admin, and Help. Below this is a breadcrumb trail 'Home / Devices'. The main section is titled 'Device Management'. It contains a table with columns: Device Tag, Device, Connection, Status, Last Seen, Model, Software Version, and Calibration Date. There are search icons for each column. A dropdown menu is open for the first device, showing options: View Details, View Logs, View Commands, and Restart. The table data is as follows:

Device Tag	Device	Connection	Status	Last Seen	Model	Software Version	Calibration Date
000000000092		Connected	Processing	5/8/2019, 13:36	Serstech 100 Indicator	5.2.7	4/29/2019, 09:44
00000000007E		Disconnected	OK	5/8/2019, 12:42	Serstech 100 Indicator	5.2.8	5/3/2019, 07:37
130803E90005		Disconnected	Rebooting	5/8/2019, 12:50	Serstech 100 Indicator	5.2.8	5/7/2019, 09:58
00000000016E		Disconnected	Processing	5/8/2019, 12:50	Serstech 100 Indicator	5.2.8	5/3/2019, 07:17
000000000071		Disconnected	Rebooting	4/17/2019, 14:51	Serstech 100 Indicator	5.2.8	3/12/2019, 10:29
130803E9000E		Disconnected	OK	5/8/2019, 12:51	Serstech 100 Indicator	5.2.8	4/19/2019, 08:24

The following actions are available from the "Device" menu:

1. View Details

This option will launch into a more detailed view of the device where you also can edit the settings of your Indicator, manage embedded spectral reference libraries etc.

2. View Logs

Many actions performed locally with the Indicator are continually logged. Logs are automatically uploaded to ChemDash ONE when the Indicator is connected.

3. View Commands

This option links to a history of all commands which have been sent between the Indicator and the ChemDash ONE. It can be used to verify that actions are accepted by the device as well as e.g. for general network debugging purposes.

4. Restart

This option will restart the Indicator.

2.3 Manage Device Details

The Detail view will display more in-depth information about the Indicator. The tabs contain configurable parameters, instrument User settings, reference libraries etc, all of which can be managed by the User, please see picture below.

Device Details

Connected Synchronized Device ▾

Tag

Contact Info

Product Model	Serstech 100 Indicator	Libraries	NEH	Free Space	11183 [MB]
Serial Number	000000000092	Latest Calibration	4/29/2019, 09:44	Battery Level	61%
Software Version	5.2.7 / 405	Latest Factory Reset	Never		

Settings

Scan

Network

System

Libraries

Auto Exposure

Laser Power

Scan Time (s)

Scan Delay (s)

Screen Method Type

Add Substance

Repeats

Standard

Medium

12.688

0

Narcotics Explosives

3

Last Updated: 5/8/2019, 14:06

The Basic Info section includes some pieces of information which may be of interest.

- Product Model

The model of device, e.g. Serstech 100 Indicator.

- Serial number

This shows the variant within a specific product type.

- Embedded Software Version

This shows the version of the Indicators' embedded software

- Libraries

This shows the Libraries that have been sent from the ChemDash ONE to the connected devices-Indicators.

- Latest Calibration

When the device was latest calibrated.

- Latest Factory Reset

The User is allowed to reset the Indicator to factory default settings and erase all resident measurements.

- Free Space

The last known status of the device.

- Battery Level

The last known status of the device.

2.4 Manage ChemDash Users

ChemDash ONE has currently only one User level activated, that is the Admin mode which gives fully functionality of the ChemDash ONE.

2.5 Edit Settings

By selecting the "Edit" button in the top right section of the browser window the User can enter the "Edit mode". This will enable the User to modify all instrument parameter settings from the various tabs. The new settings can then be sent to the Indicator by clicking on first "Save" and then "Send to Indicator". The settings will be downloaded to the Indicator when it is connected, and the device will be automatically restarted to make the new settings take effect.

At the top, there is the "Tag" field where User can add its own note for easy identification of the Indicator throughout the ChemDash ONE list. It worth to mention that the Tag information is used in ChemDash ONE only and thus not downloaded to the Indicator, please see picture below.

Product Model	Serstech 100 Indicator	Libraries	NEH	Free Space	11183 [MB]
Serial Number	000000000092	Latest Calibration	4/29/2019, 09:44	Battery Level	62%
Software Version	5.2.7 / 405	Latest Factory Reset	Never		

Regarding the indicators' default values, Serstech AB does not recommend changing any parameters unless the User is very familiar with the Indicator. There is no danger of damaging the instrument by suboptimal settings, but measurement performance may be adversely affected. Please go through the Indicator manual for more in-depth information on the available parameters and how to use the instrument.

2.6 Adding instrument Users

One of the tabs on the Device Details page deserves special attention. The "Users" tab will show the local Indicator Users who can login to the instrument and perform measurements. Important to mention that the Indicator Users shown and managed here are local and unique to a specific Indicator. The Username configured here will be attached to all measurements and actions done when the User is logged into the instrument. This will make it possible to track instrument data and actions from ChemDash when new data arrives. Please note the password must be a PIN code sequence of exactly four digits in the range [0...9]. To add and give privileges or delete a user, please see picture below.

There are several privileges which can be set for each instrument User. Privileges control what the instrument User is allowed to do locally in the Indicator only.

Available privileges are summarized below:

- Factory reset

The User is allowed to reset the Indicator to factory default settings and erase all resident measurements.

- Modify scan settings

The User is allowed to change scan settings such as scan times etc..

- Add substance

The User is allowed to use the Add New Substance method.

- Change time/date

The User is allowed to modify the instrument time settings.

- Change Language

The User is allowed to set the Indicator GUI language.

- USB configuration (read)

The User is allowed to activate the USB mass storage function for read-only access.

- USB configuration (write)

The User is allowed to activate the USB mass storage function for read/write access.

- Connect to ChemDash

The User is allowed to pair an Indicator to either ChemDash Anywhere or ChemDash ONE.

- Remove Measurement

The User is allowed to remove measurement from the Indicator.

Important to clarify that all measurements previously uploaded to ChemDash will be retained there even after an instrument reset.

2.7 Device Upgrade

ChemDash ONE offers to its Users the opportunity to upgrade their devices (Serstech 100 Indicator) to the latest software developed by Serstech AB. A User can upgrade its device by clicking on the “Device” button and then “Upgrade”. The list of devices will be shown, and the User must choose in which device should the upgrade send. Upgrade will be sent to the device as soon as the device is connected to the ChemDash, please see pictures below.

The screenshot displays the 'Device Details' page in the ChemDash ONE application. At the top, there is a breadcrumb trail: Home / Devices / Details. Below this, the page title 'Device Details' is followed by two status buttons: 'Connected' and 'Synchronized'. To the right, there are 'Edit' and 'Device' buttons. A dropdown menu is open under the 'Device' button, showing options: 'View Logs', 'View Commands', 'Restart', and 'Upgrade'. The main content area is divided into two sections: 'Tag' and 'Contact Info'. The 'Tag' section contains a table with the following data:

Product Model	Serstech 100 Indicator
Serial Number	000000000092
Software Version	5.2.7 / 405

The 'Contact Info' section contains a table with the following data:

Libraries	NEH
Latest Calibration	4/29/2019, 09:44
Latest Factory Reset	Never

Below these sections is a 'Settings' table with columns: Scan, Network, System, Users, and Libraries. The 'Scan' column contains the following settings:

Auto Exposure	Standard
Laser Power	Medium
Scan Time (s)	12.688
Scan Delay (s)	0
Screen Method Type	Narcotics Explosives
Add Substance	3
Repeats	

On the right side of the 'Settings' table, there is a 'Free Space' section showing '11183 [MB]' and '99%'. Below the 'Settings' table, there is a 'Last Updated' timestamp: '5/9/2019, 10:18'. A 'Software Upgrade' dialog box is overlaid on the page. The dialog box has a title bar with a close button (X). The main text in the dialog says: 'Select the version to which to upgrade the device 000000000092'. Below this text is a table with the following data:

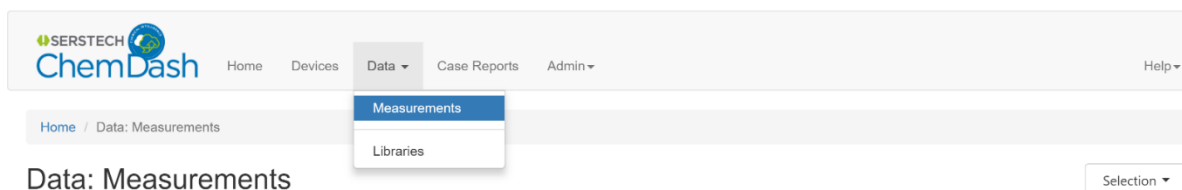
Version	Date	Release Notes
5.2.8	2019-05-09T07:47:53.26881...	

At the bottom of the dialog box, there are 'OK' and 'Cancel' buttons.

3.0 Manage Data

3.1 Manage measurements

Measurements uploaded to ChemDash ONE from all Indicators in the Users' organization are available from the "Data->Measurements" menu in the top row.



This option will open a (searchable) list of measurements.

ChemDash ONE 'Data: Measurements' page. The table displays measurement data with columns: Tag, Substance, Type, Sequence No, Time, Quality, and Device. The table contains 17 rows of measurement data. A search bar is at the top right. A 'View' button is next to each row.

Tag	Substance	Type	Sequence No	Time	Quality	Device
View	POLYSTYRENE	Calibrate	28	8/23/2018, 10:02	██████████	00000000007F
View	Cyclohexane	Identify	29	8/23/2018, 10:28	██████████	00000000007F
View	Cyclohexane	Identify	30	8/23/2018, 10:31	██████████	00000000007F
View	Cyclohexane	Identify	31	8/23/2018, 10:36	██████████	00000000007F
View	Cyclohexane	Identify	32	8/23/2018, 10:41	██████████	00000000007F
View	Cyclohexane	Identify	33	8/23/2018, 10:46	██████████	00000000007F
View	Cyclohexane	Identify	34	8/23/2018, 10:51	██████████	00000000007F
View	Cyclohexane	Identify	35	8/23/2018, 10:56	██████████	00000000007F
View	Cyclohexane	Identify	36	8/23/2018, 11:01	██████████	00000000007F
View	Cyclohexane	Identify	37	8/23/2018, 11:06	██████████	00000000007F
View	Cyclohexane	Identify	38	8/23/2018, 11:11	██████████	00000000007F
View	Cyclohexane	Identify	39	8/23/2018, 11:18	██████████	00000000007F
View	Cyclohexane	Identify	40	8/23/2018, 11:21	██████████	00000000007F
View	Cyclohexane	Identify	41	8/23/2018, 11:26	██████████	00000000007F
View	Cyclohexane	Identify	42	8/23/2018, 11:31	██████████	00000000007F
View	Cyclohexane	Identify	43	8/23/2018, 11:36	██████████	00000000007F
View	Cyclohexane	Identify	44	8/23/2018, 11:41	██████████	00000000007F

The User can sort the table according to e.g. measurement method used in the Indicator to acquire the data, Indicator measurement sequence number, Substance name, device ID, spectrum quality, or data time stamp. Clicking the "View" button will open a summary of your measurement as shown in the picture below.

Home / Data: Measurements / Details

Identify Measurement 1243 (3/26/2019, 16:09)

View Report Export Edit

Tag

Result

Single Matches (2)

- A-1240 (80%)
- A-869 (13%)

Substance basic information

Substance Name	A-1240
Substance synonym names	
CAS numbers	201-000-a7780270-4fd3-11e9-9793-e46f13f3d6fb
Substance class	Uncategorized
Supplemental notes	
References	

Spectrum

Any substance information linked to the measurement result(s) will be attached to the data and thus displayed as part of the ChemDash report. Clicking on the "Edit" button in the top right section allows the User to edit basic data related to the measurement and save for later. User can also add a Tag identifier of your choice to the measurement to make it easier to find later, e.g. when building your own spectrum reference library. Click on the "Save" or "Cancel Edit" buttons to exit edit mode. By clicking the "Export" button in the top right section, the User can export the measurement data. Currently we support export to the JCAMP and CSV format, please see picture bellow.

Home / Data: Measurements / Details

Identify Measurement 1544 (3/14/2019, 15:01)

View Report Export Edit

processed as Jcamp
processed as CSV

Tag

Result

Single Matches (1)

- ACETONE (97%)

Substance basic information

Substance Name	ACETONE
Substance synonym names	
CAS numbers	67-64-1
Substance class	Hazardous, Narcotic precursor, Explosive precursor, Toxic clear, Regulated clear
Supplemental notes	
References	

Globally Harmonized System of Classification and Labelling of

Spectrum

3.1.1 Create measurement report

So as to create a measurement report the User must click in the “View Report” button in the top right section which gives the possibility to print the summary of the measurement report. User can print to a PDF and/or on paper. It is possible to add companys’ own logo to report, this is done via the admin menu, and choose System Settings. In systems settings, the User can upload a logo in PNG-format that will show on top of the report, please see pictures below.

Home / Case Reports / Case Report

Tag Time 5/8/2019, 16:53

Add ▾ Remove

Item
Q
Logo
Case Report
Identify Measurement ...

Up Down

Save Print Cancel

SERSTECH

Case Report
Identify Measurement 54 (5/14/2018, 20:27)

Result

Single Matches (1)
A-52 (99%)

Please see below for an example of a case report with the Serstech Logo.

SERSTECH ChemDash

Home Devices Data ▾ Case Reports Admin ▾ Help ▾

Home / Admin: System Settings

Administration: System Settings

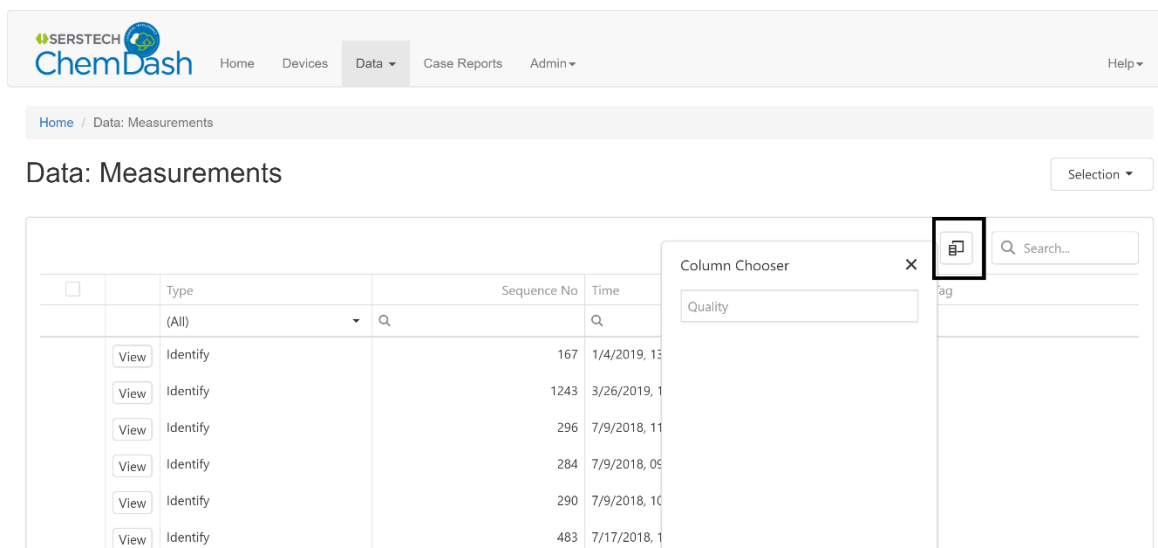
Custom Logo

The logo will be placed in the top of reports.
No logo selected.
You can select a logo by uploading a PNG file. The logo will be shown as it is and can not be modified after it is uploaded.

Select file Drop a PNG file here

No Custom Logo

Moreover, ChemDash ONE offers to the Users the ability to sort the information by choosing which columns want to be shown while others can be hidden. User can hide and restore columns by clicking in the column button and drag into all chosen columns, please see image below.



3.2 Manage libraries

A core functionality in ChemDash ONE is the ability to build spectral reference libraries and download them to the Serstech instruments for use in the field. This will enable the User to customize the solution to its specific needs. In case of further help, Serstech also offers a service to assist this process. Please contact Serstech for more information. Every library has a name, state and language. The status is the most critical step. Library status can be as following

- Published

This indicates that the library is available for the ChemDash ONE Users and can be downloaded to the Indicator.

- Checked out by [User]

This indicates that the library has been checked out for editing by a User. In this state the library cannot be downloaded to Indicators and it is accessible only to the specified User.

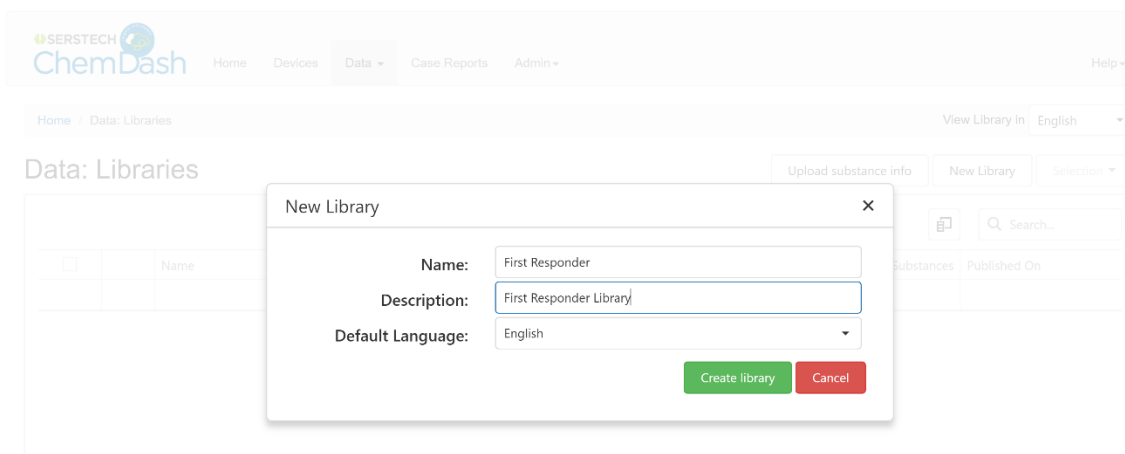
- Draft

This state shows the library has been edited by someone and then checked in. Other ChemDash ONE Users can now view and further edit the library but it cannot be downloaded to any device until set to the Published state.

Users can edit an existing library by clicking the "View" button on the Data: Libraries page and then the "Check out" button in the top right section of the library window. As may be expected, the library will then enter the Checked-out state.

3.2.1 Create a new library

In order to create a new library the User should select the "New Library" icon in the top right section of the Data: Libraries page. This will open a dialog where information like name, language and description can be added, please see image below.



Once the User edits all information should click on the "Create library" button. This will take to an overview of the new library in edit mode, please see image bellow.

ChemDash ONE interface showing the "First Responder" library overview. The page includes a navigation bar with "Data" selected, a breadcrumb trail "Home / Data: Libraries / Library", and a "View Library in" dropdown set to "English". The main content area shows the library name "First Responder", version "1", and "Number of Substances:0". A table with columns "Substance Name", "Substance CAS", "Class", "Substance Info", and "Tag" is displayed, but it is empty with a "No data" message. Action buttons include "Upload substance info", "Publish Library", "Check in Changes", "Discard Changes", "Add Substance", "Selection", and "Library Properties".

After creating the new library, the User can add spectrum reference data from several different sources. By clicking on the "Add Substance" button in the library window, the user can view two sources of data to choose either for Measurements or Library:

- Measurements

This allows the User to use its own measurements made with the Serstech 100 Indicator as reference. The User can use measurements made with any of the methods in the instrument. But in order to ensure maximum data quality we recommend collecting reference data with the Add New Substance method.

- Library

This allows User to copy reference records from another earlier created library, please see image bellow.

ChemDash ONE interface showing the "First Responder" library overview. The page includes a navigation bar with "Data" selected, a breadcrumb trail "Home / Data: Libraries / Library", and a "View Library in" dropdown set to "English". The main content area shows the library name "First Responder", version "1", and "Number of Substances:0". A table with columns "Substance Name", "Substance CAS", "Class", "Substance Info", and "Tag" is displayed, but it is empty with a "No data" message. Action buttons include "Upload substance info", "Publish Library", "Check in Changes", "Discard Changes", "Add Substance", "Selection", and "Library Properties". The "Add Substance" dropdown menu is open, showing options "From Measurements" and "From Library".

3.2.2 Add data from measurements

The User can choose the "From Measurements" option to add references taken from measurements made with Indicators within the organization. This will redirect the User to the data window where you can see all measurements, please see picture bellow.

Home / Data: Measurements

Data: Measurements

Select the substance or substances to add. Only substances uploaded to ChemDash are available.

OK Cancel

<input type="checkbox"/>	Tag	Type	Sequence No	Time	Quality	Device
<input checked="" type="checkbox"/>	View	Identify	167	1/4/2019, 13:01	██████████	000000000071
<input checked="" type="checkbox"/>	View	Identify	1243	3/26/2019, 15:09	██████████	00000000007E
<input checked="" type="checkbox"/>	View	Identify	296	7/9/2018, 11:58	██████████	000000000092
<input checked="" type="checkbox"/>	View	Identify	284	7/9/2018, 09:25	██████████	000000000092
<input checked="" type="checkbox"/>	View	Identify	290	7/9/2018, 10:10	██████████	000000000092
<input type="checkbox"/>	View	Identify	483	7/17/2018, 13:06	██████████	000000000092

The User can choose all wanted measurements in the new library and then click "Done". This will allow User to will be returned to the new library and view the chosen spectra, please see picture bellow.

Home / Data: Libraries / Library

View Library in English

First Responder

Upload substance info Publish Library Check in Changes Discard Changes

First Responder Library

Version:1 (Checked out by you)

Number of Substances:5

Add Substance Selection Library Properties

You can drop columns here

<input type="checkbox"/>	Tag	Substance Name	Substance CAS	Class	Substance Info
<input type="checkbox"/>	View	2-METHYLCYCLOHEXANONE	583-60-8	Hazardous, Narcotic clear, Exp...	Custom, GHS
<input type="checkbox"/>	View	A-1240	201-000-a7780270-4fd3-11e9...	Uncategorized	
<input type="checkbox"/>	View	ACETONE	67-64-1	Hazardous, Narcotic precursor...	Custom, GHS
<input type="checkbox"/>	View	Polyethylene	9002-88-4	Narcotic clear, Explosive clear...	Custom, GHS
<input type="checkbox"/>	View	Saccharin	81-07-2	Narcotic clear, Explosive clear...	Custom, GHS

3.2.3 Edit new library

The User can click on the "View" button for a library entry to inspect the spectrum itself as well as the associated substance information. In order to enter the edit mode, the User can click on the "Edit" button. This will enable the User to update all information in the library record (except the spectrum data itself), please see picture below.

Home / Data: Libraries / Library / Substance View Library in English

Substance: ACETONE Save Cancel Edit

Tag Window Snap

Substance basic information

Substance Name

Substance synonym names +

CAS numbers x

+

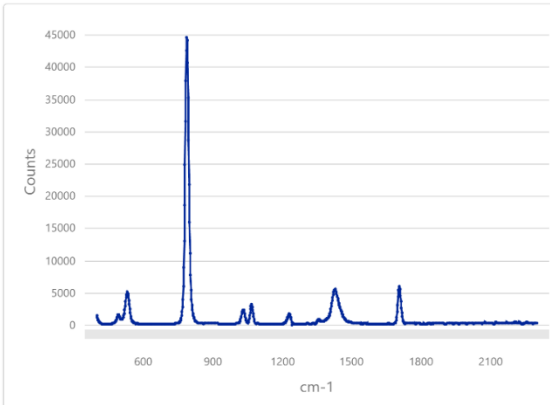
Substance class

Toxic	clear	x
Regulated	clear	x
Narcotic	precursor	x
Explosive	precursor	x
Hazardous	hazardous	x

+ ?

Supplemental notes

Spectrum



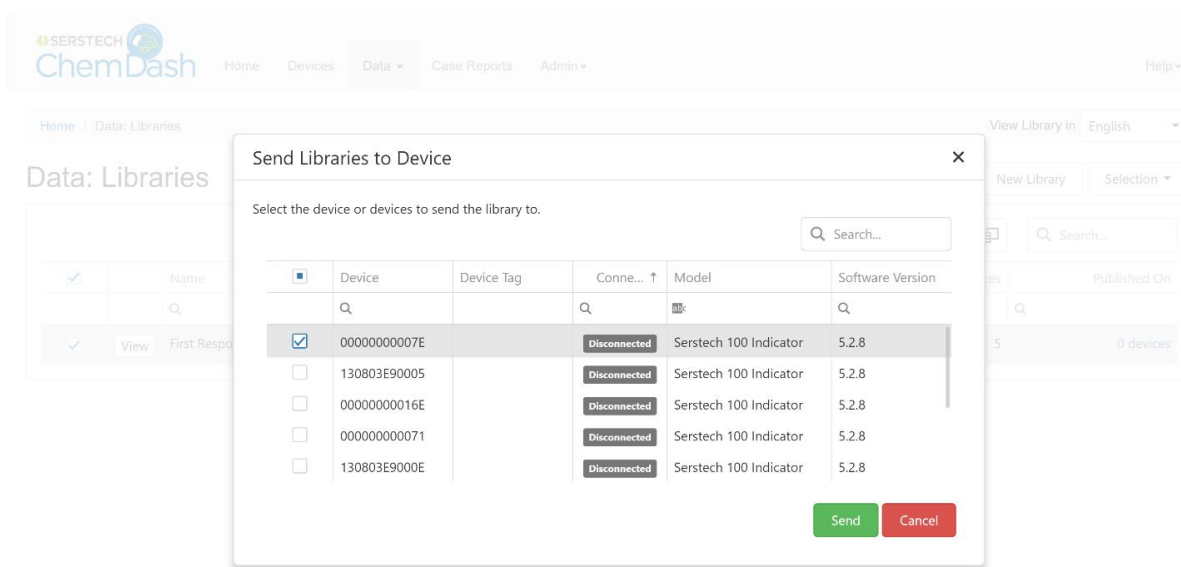
The data directly below the substance name heading, represent information shown to the instrument User when a match to this substance is found in the field. ChemDash ONE supports two types of information; GHS and Custom. GHS (Globally Harmonized System of Classification and Labelling of Chemicals) is substance information formatted according to the international GHS standard. ChemDash ONE fully supports GHS, including relevant warning pictograms which are shown to the field officer when using the Serstech 100 Indicator product. The ChemDash ONE input form makes it easy to add GHS- formatted information to Users' library records.

The Custom option allows User to add custom information, e.g. specific handling procedures or responder actions to be performed when the substance in question has been identified.

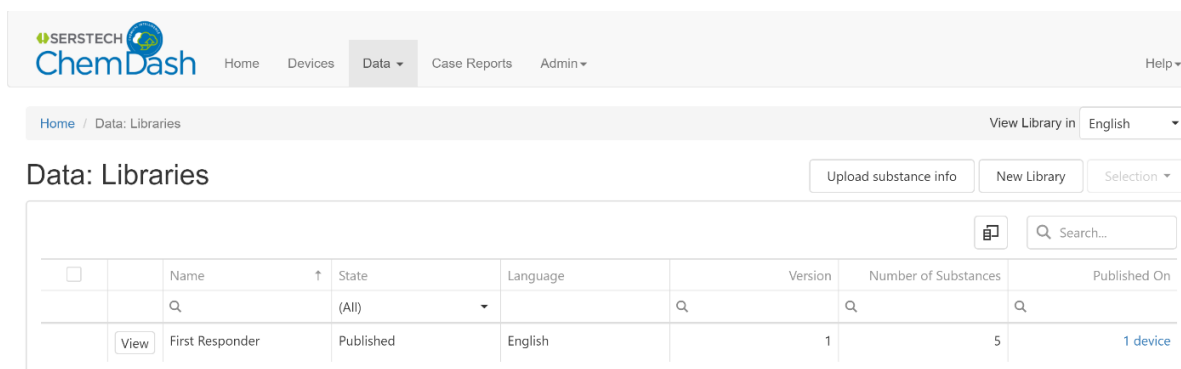
Thus, the combination of GHS and Custom information makes for a very flexible solution which can adapt to User needs over time. The data on the right side of the screen (below the spectrum plot) is internal information only. It is reference information related to the measurement situation, type of instrument used etc. This is never displayed in the instrument in the event of a match to this library entry but only visible to ChemDash ONE Users.

3.2.4 Send the new library to a Serstech 100 Indicator

In case the User wants to download in the indicator the created library has to first go back to the Data: Libraries section. This is done by first selecting the relevant libraries and then click on the "Selection" button in the top right section of the page. From there it is possible to choose the "Send to Indicator" option. This will open a dialog where User can choose the Indicator(s) which should receive the new reference library, please see picture below.



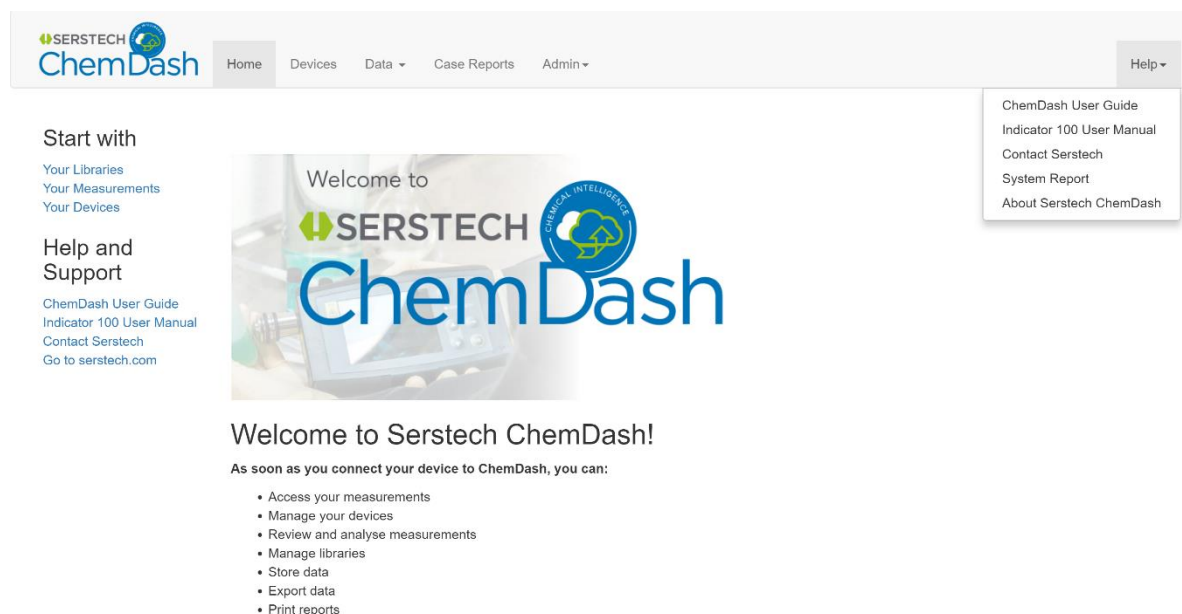
User can then click on "Send" to initiate the download. From the Data: Libraries section User can now review the number of Indicators which have a particular library loaded, please see picture below.



The libraries will be sent to the devices as soon as they are connected.

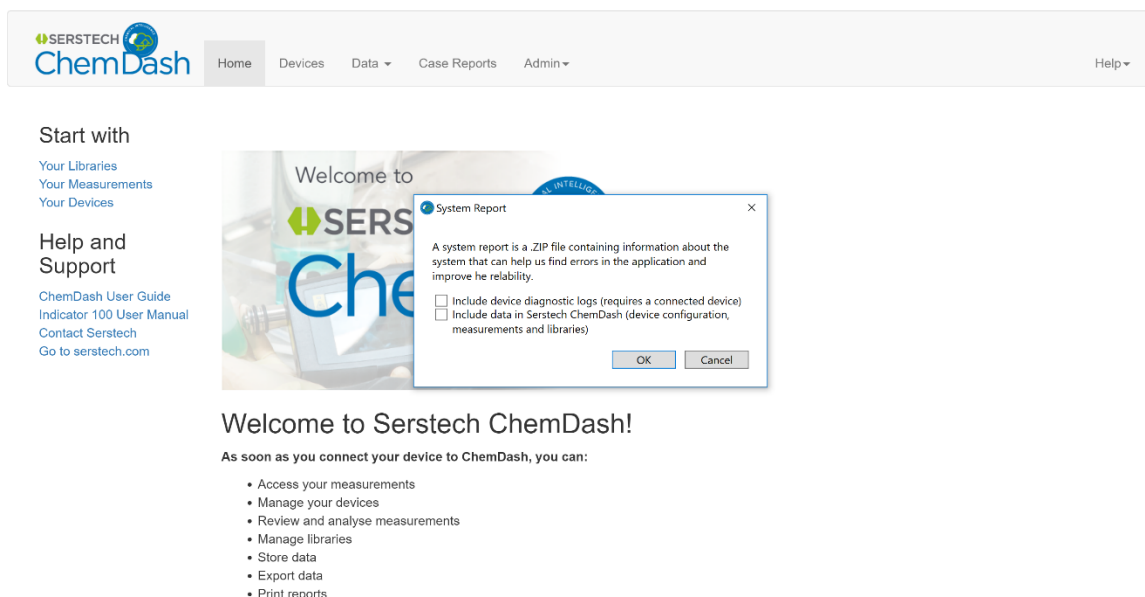
4.0 Create System Reports

There are many support situations that requires the system logs both from Serstech and the Indicator in order give quick and efficient support. In ChemDash ONE, the standalone version, all the data and logs are stored locally. Therefore, a system report function has been implemented. The User can reach this function through: Help: System report, please see picture bellow.



Selecting the System Report options. The User can choose what logs to collect:

- Indicator logs (requires connected device),
- Data from ChemDash ONE (device configuration, measurements, libraries).



Selecting OK, ChemDash ONE will create a .zip fil, with a timestamp in the filename. This .zip file contains the logs and data that the User wants to extract. The created .zip should then be sent to Serstech support email (support@serstech.com).

In case the User faces critical errors on the Indicator, should try to extract system reports before do anything else with the device. Just because the display does not work, it does not mean that ChemDash ONE cannot extract crucial log from the Indicator.

For informations regarding how to use the Serstech 100 Indicator, please read the corresponding manual.

ChemDash ONE User Manual

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This manual is issued by:

Serstech AB

Contact Information:

Ideon Science Park,

Sölvegatan 43

SE-223 70 Lund,

SWEDEN

info@serstech.com

