

## 1. Keygenerator portal use

The Keygenerator portal can be used for the following tasks:

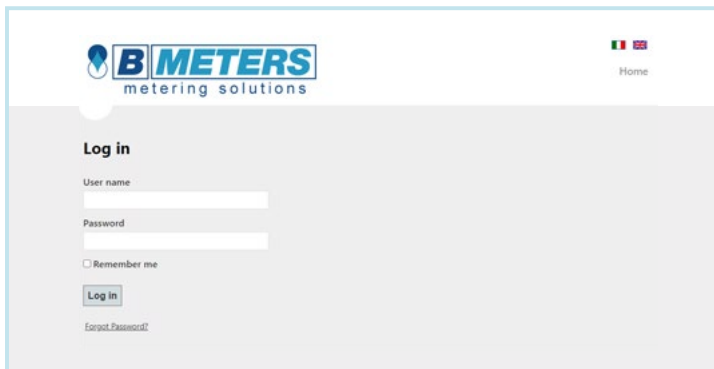
- Activate Bmetering software
- Display and manage the software licenses (check the ID – key correspondence, disable a key, etc)
- Opening a ticket for the BMeters technical support

- Software download
- LoRa keys management
- Use of the LoRa packet decoder

The following guide is intended to explain the correct use of the portal.

## 2. Keygenerator portal log in

Go to the site <https://keygenerator.bmetering.com> and log in with the username (corresponding to the customer code) and password provided by B METERS.



**Password forgotten** - In case the password is lost, it is possible to recover it by following the guided procedure after pressing the “Forgot password?” button.



An E-mail containing a temporary password will be sent to the E-mail address linked to the account. We recommend using this password only for the successive access and to modify it with a personal one, by using the “Change password” button:

**After logging in the reserved area with provided user and password, the following window will be shown:**



- 1 • B Metering software activation:** with this procedure it is possible, by entering the ID that appears when the software is started, to activate the software.
- 2 • View activated licenses:** allows you to display the list of ID – Key already generated.
- 3 • Technical Support:** it allows to open a ticket for the technical support department, to receive assistance on technical issues, installation difficulties, commissioning support, technical info etc. Once the ticket is opened, you will be contacted back by a service manager.
- 4 • Download B Metering Software:** allows you to download the latest version of B Metering Software.
- 5 • Display LoRa Keys:** allows you to view, filter and export the keys of purchased LoRa products.
- 6 • LoRa Packet Decoder:** allows you to decode the LoRa packet of the selected device.

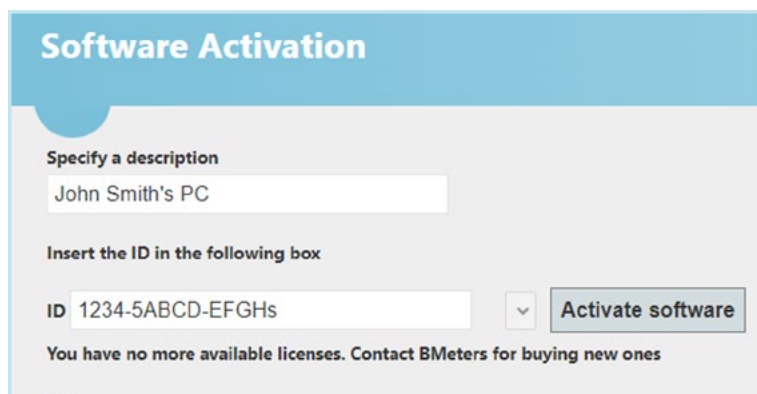
## 3. B Metering software activation

This section allows you to generate one or more keys of our **B METERING software**.

**1. Press the “B Metering software activation” button:**



2. The following panel will appear. Fill in the field “specify a description” with a personal reference to the ID you are about to activate and the field “ID” with the code shown by the B METERING software at the first launch:



The image shows a 'Software Activation' panel with a light blue header. Below the header, there is a section titled 'Specify a description' with a text input field containing 'John Smith's PC'. Below that is a section titled 'Insert the ID in the following box' with an 'ID' input field containing '1234-5ABCD-EFGHs' and a dropdown arrow. To the right of the ID field is a button labeled 'Activate software'. At the bottom of the panel, there is a message: 'You have no more available licenses. Contact BMeters for buying new ones'.

Check the B METERING software manual to better identify the activation panel on which the ID code is shown.

3. Once the fields have been filled in, **press the “Activate software” button.**

### Activate software

This will register the ID used, thus activating the software license of the corresponding PC.

4. Once the key is generated, it will be possible to activate the B METERING software by pressing the “Active” button on the activation panel. Check the B METERING software manual for further details ([v1.9.7\\_Manual-BMetering-Software\\_ENG\\_with-bookmark-1.pdf](#)).

5. **Press the “Back” button** to go back on the previous screen.

**NOTE:** in the activation screen, the number of available licenses that can be activated is shown. In case there are no more available licenses, the following message will be shown:

You have no more available licenses. Contact BMeters for buying new ones

It will be then necessary to contact the B METERS sales dept to purchase new licenses.

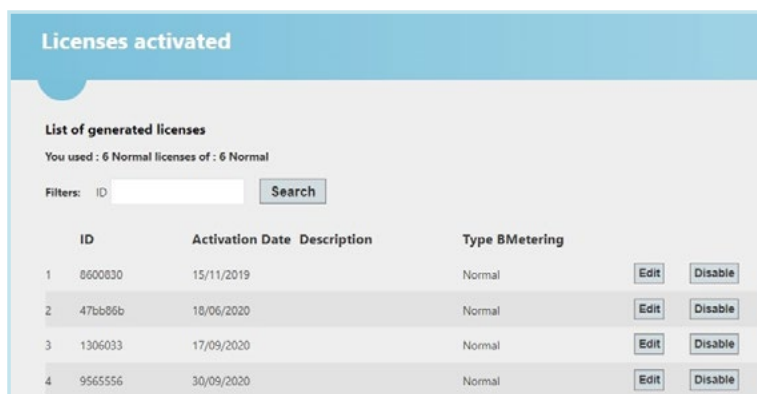
## 4. Display the generated keys

This panel allow to see the ID registered on the portal and to manage the licenses present on the account.

To access this panel, **press “View activated licenses” button**

2 View activated licenses  
View the list of generated IDs with activation date and description

The following screen will be shown:



The image shows a 'Licenses activated' panel with a light blue header. Below the header, there is a section titled 'List of generated licenses' with a sub-header 'You used : 6 Normal licenses of : 6 Normal'. Below that is a search filter with 'Filters: ID' and a 'Search' button. Below the search filter is a table with columns: ID, Activation Date, Description, and Type BMetering. The table contains 4 rows of data. Each row has 'Edit' and 'Disable' buttons to its right.

	ID	Activation Date	Description	Type BMetering		
1	8600830	15/11/2019		Normal	Edit	Disable
2	47bb86b	18/06/2020		Normal	Edit	Disable
3	1306033	17/09/2020		Normal	Edit	Disable
4	9565556	30/09/2020		Normal	Edit	Disable

Below is a description of the available functions:

- The list of the generated keys, the date of activation, the ID, Description and license type are all displayed:

	ID	Activation Date	Description	Type BMetering
1	8600830	15/11/2019		Normal
2	47bb86b	18/06/2020		Normal

- The counter of used licenses and available ones is shown:

**You used : 9 Normal licenses of : 100 Normal**

- It is possible to search for a module by ID: enter the desired ID and press "Search":

Filters: ID

- It is possible to modify the description of a license by pressing the "Edit" button

- After editing the description of the license you can save the changes by using the "Update" button or cancel them by using the "Cancel" button.

- It is possible to disable a key by pressing the "Disable" button: this will disable the license key, which won't allow to use the B METERING software on the PC where the ID is connected.

**ATTENTION: disabling a license key is an irreversible operation.**

**Once the ID of a PC is disable, it will no longer be possible to proceed with a new activation with the same ID (thus, on the same PC).**

**To reactivate a disabled license, please contact technical support through <https://ticket.bmeters.com/>**

- Finally, the list of disabled license keys is available for visualization purposes only:

ID	Activation Date	Description	Type BMetering
830461	16/12/2019		Normal
860303	11/02/2020		Normal
5CC4E3	11/09/2020		Normal
FCAE2B	11/09/2020		Normal
3F727B	21/09/2020		Normal
986D0A	22/09/2020		Normal

- Press the "Back" button to go back on the previous screen.

## 5. Technical support

This button allow to access a form that can be filled to open a technical support ticket.

**3 Technical Support**  
Open the ticket for the technical support dept.

Fill in all the fields, carefully describing the problem you are facing, serial numbers of the devices, quantity, e-mail address and contacts. Then, press the "Send" button.

## 6. Download B METERING software

This panel contains the download link to the most updated release of the B METERING software.

**4 Download BMetering Software**  
You could download the latest version of BMetering Software

Once the button is pressed, the following screen will appear:

# Download

## Download BMetering Software

Latest software version: [BMetering Software v1.9.16.zip](#)  
Minor Bug Fixing

**NOTE:** the download link to the software is freely accessible. It is then possible to send it to third parties to immediately launch the download procedure and use the software in demo mode for 15 days (right click on the link → copy link).

## 7. Display LoRa keys

This panel contains the LoRa keys of the purchased devices.

### LoRaWAN keys

Sales Order  Serial  Key Downloaded

Sales Order	Product	Serial	Downloaded	Key	Key
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000
OvIT001211566	HG-12CO-C3SS-10H0	00000000000000000000000000000000	<input type="checkbox"/>	00000000000000000000000000000000	00000000000000000000000000000000

- You can search by applying a filter by Sales Order, by Serial number or by Keys marked as downloaded or not downloaded: enter the sales order, the serial number or whether the keys are marked as downloaded or not downloaded and press the “Filter” button.
- Using the “Set as Downloaded” or “Set as Not Downloaded” buttons, keys shown on the display can be marked as either already downloaded or yet to be downloaded, so that there is a further division between keys and thus allow the export of only the keys that have not been downloaded.
- Using the “Export CSV” button, a .csv file of the LoRa keys displayed on the screen can be obtained. Keys marked as downloaded will not be included in the export.

## 8. LoRa Packet Decoder

This panel contains the LoRa package decoder of our devices.

### LoRa Packet Decoder

Device  Packet Type - Port

Packet

- You can select the device you want to decode by pressing the drop-down menu after "Device":

Device	RFM-LR1
Packet	RFM-LR1
	IWM-LR3/LR4
	HYDROSONIC
	HYDRODIGIT
	HYDROCAL-M4

- HYDROSONIC, HYDRODIGIT-S1/M1 and HYDROCAL-M4 devices can transmit different types of packets, so the appropriate packet must be selected:

Device	HYDROSONIC	Packet Type - Port	First uplink - Port 1
Packet			First uplink - Port 1
			Compact - Port 10
			Extended - Port 11
			Datalogger - Port 12
			Monitoring - Port 13
			Alarms history - Port 14
			Immediate Alarms - Port 20

Device	HYDRODIGIT	Packet Type - Port	First uplink - Port 1
Packet			First uplink - Port 1
			Datalogger - Port 1

Device	HYDROCAL-M4	Packet Type - Port	First uplink - Port 1
Packet			First uplink - Port 1
			Compact - Port 10
			Extended - Port 11
			Combined - Port 12
			Heating datalogger - Port 13
			Cooling datalogger - Port 14
			Monitoring - Port 16

After selecting the correct device and packet type, enter the desired packet and press 'Decode'. The decoded packet will appear in the window below.

Device	HYDRODIGIT	Packet Type - Port	First uplink - Port 1
Packet	45 16 17 00 00 e1 09 00 80		
<input type="button" value="Decode"/>			
Packet: 4516170000e1090080 Device: HYDRODIGIT Packet Type - Port: First uplink - Port 1 Value: 6134 l Reverse Flow: 2529 l VIF: Litres Medium: hot water Diameter: 15 Burst alarm: 0 Overflow alarm: 0 Wrong Installation alarm: 0 Leakage alarm: 0 Reverse Flow alarm: 0 Low Battery alarm: 0			