



## **DeviceLab Payload Collector, - Nice to know feature list!**

The Payload Collector App contains several small features that are “Nice to know” about for everyday use. This guide summarizes the most common.

### ***About this Guide!***

*This Guide is written and illustrated based on the latest release version of the Payload Collector App available at the time of this Guides release.*

*We are actively updating our Guides, but we reserve the right to deviate as updates to the Payload Collector App with fixes and new features may have been released since this Guide was published.*

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# DeviceLab

## EXTRACTING VALUE

1) What does the "Info bar" tell you?

a) "Frames captured":

Frames captured: 0 (0 Displayed) Total meters: 0 (0 Found 0 Missing 0 Displayed)

The total number of frames captured, and in parentheses, the number "Displayed" based on the search or marked as "Required!"

b) "Total meters":

Frames captured: 0 (0 Displayed) Total meters: 0 (0 Found 0 Missing 0 Displayed)

The total number of devices captured, and in parentheses:  
If a "Meterlist" is loaded... – how many there is "Found" and "How many  
there is still "Missing" ... - and the number "Displayed" based on the  
search or marked as "Required!"

2) Select what you see:

Search Decoded Required

Press "Decoded" ... -> only "Decoded" devices and frames will be shown.  
Press "Required" ... -> only devices marked as "Required".



### 3) How to search, best practice:



- a)** Search for a specific "Manufacture" by entering the manufacture-code, - e.g. GAV for Carlo Gavazzi or BMT for B-Meter etc.
- b)** Search for more by entering them with a "Space" between, - e.g. GAV BMT for Carlo Gavazzi and B-Meter etc.
- c)** Search for a specific device by entering the serial number, - e.g. 12345678
- d)** Search for more devices by entering several serials with a "Space" between, - e.g. 12345678 23456789 etc.
- e)** Search for a similar serial number by entering part of the number, - e.g. 1357... – then devices containing 1357 will show up!



4) On "Frames" tab, - Right-click and select relevant columns or deselect not-relevant columns under "Show columns".

**Remark:** “*Columns*” settings will reset to default after restarting the Payload Collector App.

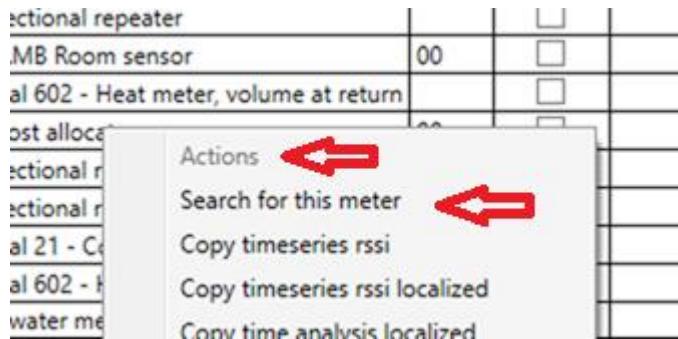
Description	Status
KWM	Action
Mult	Search for this meter
Unid	Enter key for meter
KWN	Copy timeseries rss
Mult	Copy timeseries rss localized
Mult	Copy time analysis localized
Unid	Show columns
KWN	Reception time
Mult	RSSI
Mult	Length
Mult	Format Signature
Unid	Control
Mult	Address
Mult	Long Address
Mult	Serial
Mult	Manufacturer
Mult	Version
Warr	Device
KWN	Description
Mult	Status
Mult	Synchronized
KWN	Decoded
Unid	Main value
Mult	Field count
KWN	ACC
Unid	Repeated
KWN	Encryption mode
Mult	Frame type
Mult	wMbus Mode
Mult	Frame format
Unid	Error flags
Mult	Parse errors
Mult	Show TCH Valid
Unid	Show TCH Notes



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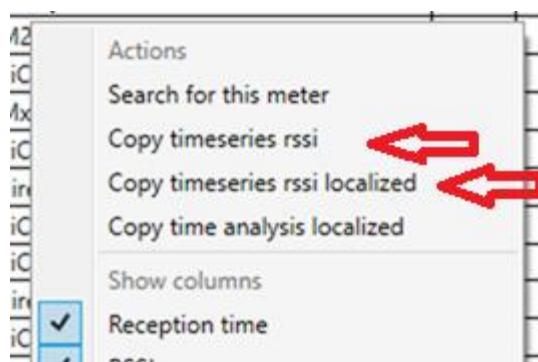
5) Right-click on a specific device in the "Frames view" under "Actions" to "search for this specific device.



6) Right-click on a specific device in the "Meters view" under "Actions" to "search for this specific device.



7) Right-click on a specific device in the "Frames view" under "Actions" to "Copy timeseries rssi" for this specific device.



The copied content can then be pasted into a text editor or aspreadsheet.

Remark: That the only difference between "Copy timeseries rssi" and "Copy timeseries rssi localized" is the formatting of the timestamp.1



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An example:

DeviceLab Collector App v. 0.2.2

File Edit Key management

Open serial port Close serial

Frames Meters Setup

Reception time	RSSI	Serial
30.01.2026 12.33.38	-75	190506
30.01.2026 12.26.48	-75	190506
30.01.2026 12.23.33	-75	190506
30.01.2026 12.19.58	-76	190506
30.01.2026 12.16.43	-75	190506
30.01.2026 12.13.08	-76	190506
30.01.2026 12.09.52	-73	190506
30.01.2026 12.06.17	-72	190506
30.01.2026 12.03.03	-75	190506

Actions

- Search for this meter
- Enter key for meter
- Copy timeseries rssi
- Copy timeseries rssi localized**
- Copy time analysis localized
- Show columns
- Reception time
- RSSI
- Length
- Format Signature
- Control
- Address

Decoded Required Frames captured: 58755 (95 Displayed) Total

Pasted into a text editor:

\*new 1 - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

new 1

```
1 30-01-2026 09:01:48 -75
2 30-01-2026 09:05:23 -74
3 30-01-2026 09:08:38 -75
4 30-01-2026 09:12:13 -75
5 30-01-2026 09:15:28 -75
6 30-01-2026 09:19:03 -75
7 30-01-2026 09:22:17 -75
8 30-01-2026 09:25:51 -75
9 30-01-2026 09:32:43 -74
10 30-01-2026 09:35:58 -74
```

Imported into a spreadsheet

R45

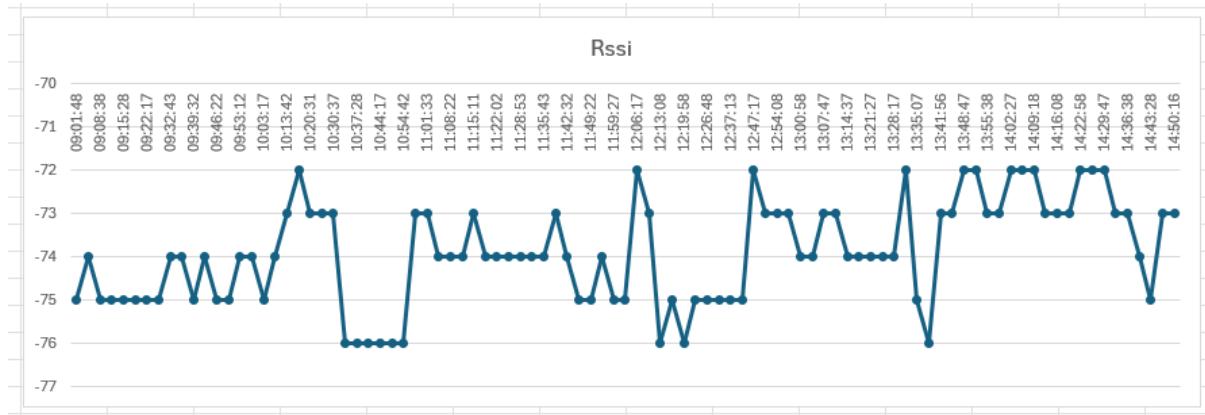
	A	B	C	D	E	F	G	H	I
13	30-01-2026	09:42:47	-74						
14	30-01-2026	09:46:22	-75						
15	30-01-2026	09:49:37	-75						
16	30-01-2026	09:53:12	-74						
17	30-01-2026	10:00:02	-74						
18	30-01-2026	10:03:17	-75						
19	30-01-2026	10:10:08	-74						
20	30-01-2026	10:13:42	-73						
21	30-01-2026	10:16:58	-72						
22	30-01-2026	10:20:31	-73						
23	30-01-2026	10:27:22	-73						



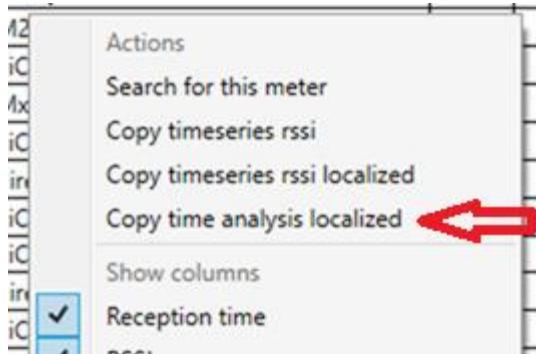
# DeviceLab

## EXTRACTING VALUE

Inserted as a graph in the spreadsheet



**8)** Right-click on a specific device in the "Frames view" under "Actions" to "Copy time analysis localized" for this specific device.  
This feature will show the difference between reading- and reception times for the telegrams, if any.



The copied content can then be pasted into a text editor or a spreadsheet.



# DeviceLab

## EXTRACTING VALUE

### 10) Fast "add decryption key for a specific device" feature. \*

In "Frames view", - Right-click on a frame from a specific device and select "Enter key for meter":

The screenshot shows the DeviceLab application interface. At the top is a menu bar with File, Edit, Key management, and Reports. Below the menu is a toolbar with Open serial port, Close serial port, Search, and KAM buttons. The main area has three tabs: Frames (selected), Meters, and Setup. The 'Frames' tab displays a table of data with columns: Reception time, RSSI, Serial, Manufacturer, Version, Device, and Description. The data shows several frames received on 25.01.2026, with various RSSI values and device identifiers. A context menu is open over the 12.56.22 frame, which has a red arrow pointing to the 'Enter key for meter' option. The menu also includes options like Search for this meter, Copy timeseries rssi, Copy timeseries rssi localized, and Copy time analysis localized, as well as a Show columns option.

Reception time	RSSI	Serial	Manufacturer	Version	Device	Description
25.01.2026 12.56.22	-93	69403148	KAM	1C	04	MultiCal
25.01.2026 12.56.22	-84	69403148	KAM	1C	04	MultiCal
25.01.2026 12.56.22	-93	69190	KAM	1C	04	MultiCal
25.01.2026 12.56.21	-93	73004	KAM	1C	04	MultiCal
25.01.2026 12.56.19	-100	06647	KAM	1C	04	MultiCal
25.01.2026 12.56.18	-100	73005	KAM	1C	04	MultiCal
25.01.2026 12.56.18	-71	69190	KAM	1C	04	MultiCal
25.01.2026 12.56.18	-92	06752	KAM	1C	04	MultiCal
25.01.2026 12.56.18	-90	69190	KAM	1C	04	MultiCal
25.01.2026 12.56.17	-62	69403	KAM	1C	04	MultiCal



# DeviceLab

EXTRACTING VALUE

Enter the key in the pop-up window and press "Add key";

**\*Remark: This Feature is available in the Payload Collector App v.0.2.24.xx and above.**