

## DeviceLab Payload Collector, - How to load keys!

The Payload Collector supports loading a predefined meterlist for monitoring of collecting specific devices!

#### How to create a predefined meterlist:

A predefined meter-list must be in the following format...

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닅 meterli	ist-test.csv 🗵
1	"Serial";"Manufacturer";"Notes"
2	"00185818";"ABB";"Office electricity meter"
3	"00021858";"GAV";"Main electricity meter"
4	"63000055";"ELV";"Office climate"
5	"80719641";"KAM";"Heat,North"
6	"80719652";"KAM";"Heat,South"
7	"19050653";"BMT";"Garage climate"
8	"19050563";"BMT";"Celler climate"
9	
10	
11	

"Serial";"Manufacturer";"Notes" "00185818";"ABB";"Office electricity meter" "00021858";"GAV";"Main electricity meter" "63000055";"ELV";"Office climate" "80719641";"KAM";"Heat, North" "80719652";"KAM";"Heat, South" "19050653";"BMT";"Garage climate" "19050563";"BMT";"Celler climate"

"Notes" - can be whatever it takes to recognize the device and its location.



## How to load a predefined meterlist:

In the Payload Collector, open "File" and select "Load meterlist".

SeviceLab Collector App v. 0.2.16.58+ac8783251f74c5ff6d690f69c20d5f4df2f016ae - Licensed to Karsten File Edit Key management Remote Reports New session (clear data) Ctrl+N Decoded Required \_ Load frames from CSV file Ctrl+O Save frames CSV file Ctrl+S Radio Manufacturer Radio Serial Radio Device Radio Ver Save as new frames CSV file Export frames file Ctrl+Shift+E Export readings file Load meterlist Save meterlist Exit

### Locate and select your created "meterlist" file and Press "Open"

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Open serial port       Close serial port       Search       Decoded Required       Frames captured:       0 (0 Displayed         Fr       Open       X         F       Image: A transmission of the second
F       ←       →       ↑       This PC > Downloads       >       Organize        Search Downloads       >       >         Organize        New folder       Image: Comparison of the search Date modified       Type       Size       Image: Comparison of the search Date modified       Type       Size         Music       Image: Comparison of the search Date modified       Type       Size       Image: Comparison of the search Date modified       Type       Size         Music       Image: Comparison of the search Date modified       Type       Size       Image: Comparison of the search Date modified       Type       Size         Image: This PC       Image: Desktop       Image: Desktop       Of-01-2025 11:09       CSV File       1 KB
Organize ▼       New folder       III ▼       III ?         Pictures       A       Name       Date modified       Type       Size         Music       ✓       Today (1)       ✓       Today (1)       Today (1)       III Pictures       III Pictures <t< td=""></t<>
Image: Pictures
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Videos 05-01-2025 11:09 CSV File 1 KB
Videos       Image: meterlist-test.csv       05-01-2025 11:09       CSV File       1 KB         Image: Comparison of the second secon
This PC
Desktop
🗄 Documents
👌 Music
🔤 Pictures
📲 Videos
📇 Win10_OS (C:)
🚽 Network 🗸 < 🔷 >
File name: meterlist-test.csv  V CSV meters file (*.csv)  V
Open Cancel



#### In the Payload Collector's meter view, the loaded "meterlist" can now be seen.

File Edit Key management Remote Reports           Open serial port         Close         Setup         Total meters:         7 (0 Found 7 Missing 7 Displayed)         Total meters:         7 (0 Found 7 Missing 7 Displayed)         Frames         Meters         Setup         Setup												. <b>↓</b>		
equired	Manufacturer	Serial	Device	Version	Radio Manufacturer	Radio Serial	Radio Device	Radio Version	Description	Latest value	Format signature	Frame count	Decoded	Notes
<b>~</b>	ELV	63000055										0		Office climate
~	КАМ	80719652										0		Heat,South
~	BMT	19050563										0		Celler climate
~	BMT	19050653										0		Garage climate
~	КАМ	80719641										0		Heat,North
~	GAV	21858										0		Main electricity met
~	ABB	185818										0		Office electricity me

#### Now press "Open serial port" to start your data collection\*

🔇 DeviceLab Collector App v. 0.2.16.58+ac8783251f74c5ff6d690f69c20d5f4df2f016ae - Licensed to Karsten

File Edit Key man	agement Remo	ote Rep	orts				
Open serial port	Close serial po	nt 🝦 🗄	Search			Decoded Req	luire
Frames Meters Se	tup						
Required Manufact	turer Serial	Device	Version	Radio Manufacturer	Radio Serial	Radio Device	Rac

# Collected devices turns green as they got collected with a value. It means that a key\*\* is loaded or the device is unencrypted!

Devicel	ab Collector A	pp v. 0.2.16	58+ac87	83251f74	c5ff6d690f69c20d5f4df	2f016ae - Lice	nsed to Karster	1						
le Edit	Key managem	ient Rem	ote Rep	ports										
Open ser	ial port Clo	se serial po	rt 🚛 İ	Search			Decoded Rec	uired 🚽 🕴 Fra	mes captured: 89 (89 Disp	olayed) Total r	neters: 39 (2 Fou	nd 5 Missing	39 Displa	yed) 📮
rames M	eters Setup									V				
Required	Manufacturer	Serial	Device	Version	Radio Manufacturer	Radio Serial	Radio Device	Radio Version	Description	Latest value	Format signature	Frame count	Decoded	Notes
~	ELV	63000055										0		Office climate
~	KAM	80719652										0		Heat,South
~	BMT	19050563					1					0		Celler climate
~	BMT	19050653					0					0		Garage climate
~	KAM	80719641								Sector Sector		0		Heat,North
<ul> <li>Image: A set of the /li></ul>	GAV	21858	02	00					EM24DINAV23 - 3 phases	224900 Wh	643	1	~	Main electricity meter
<ul> <li>Image: A start of the start of</li></ul>	ABB	185818	02	20					Electricity meter	1964050 Wh	50455	6	<ul> <li>Image: A start of the start of</li></ul>	Office electricity meter
	KAM	73004254	32	04					Unidirectional repeater			5		
	KAM	73017868	32	04					Unidirectional repeater			3		
	KANA	72004707	22	04					Unidirectional repeator			4		

Devices with no keys loaded shows up "Yellow",

- eventually not received devices stays "Red"

Devices in the meterlist is marked in "Required! - other received devices in the area is shown below in Yellow!

-			-		-	-	-		
(3)	DeviceLab	Collector A	App v. 0.2.16.58	+ac87832	51f74c5ff6d	690f69c20d5f4df	2f016ae -	Licensed to Karste	17
-									

☑         GAV         21858         02         00         EM24DI/AV23 - 3 phases         224900 Wh         643         3           ☑         ELV         63000055         18         0A         Room sensor         3,58 °C, 75,5 %         33489         3           ☑         KAM         80719641         04         35         MultiCal 603 - Heat mete         EM2         4           ☑         KAM         80719652         Image: Control of the sensor         7,40 °C, 644, %         4013         6           ☑         BMT         1905063         18         10         RFM-AM8 Room sensor         20,51 °C, 46,5 %         4013         2           ☑         BMT         1905063         18         10         RFM-AM8 Room sensor         20,51 °C, 46,5 %         4013         2           ☑         KAM         27300501         3A         Control of the sensor         20,51 °C, 46,5 %         4013         2           ☑         KAM         7300501         32         04         Outlidential repeater         04/10 Control of the sensor         20,51 °C, 46,5 %         4013         2				
GAV         21858         0.2         0.0         EM24DINAV23 - 3 phases         224900 Wh         643         3           CLV         63000055         18         0.A         Commension         3,58 °C, 75,5 %         33489         3           Commension         XAM         80719641         0.4         Second         MultiCal 603 - Heat meter         2           Commension         8.04         Second         Second         Second         4013         3           Commension         8.0719641         0.4         Second         Second         Second         2         3         3         3         4013         3           Commension         8.0719652         IB         10         Second         RFM-AMB Room sensor         7,40 °C, 64,4%         4013         3           Commension         8.071         19050553         18         10         Second         RFM-AMB Room sensor         7,40 °C, 64,4%         4013         3           Commension         8.071         19050553         18         10         Reflectional reporter         2051 °C, 46,5%         4013         3           KAM         73005061         32         0.4         Second         MultiCal food water m         3 <t< th=""><th>Frame count</th><th>Format signature</th><th>me count Decode</th><th>Notes</th></t<>	Frame count	Format signature	me count Decode	Notes
✓         ELV         63000055         18         0.A         Room sensor         3,58 °C, 75,5 %         33489           ✓         KAM         80719641         0.4         35         MultiCal 603 · Heat meter         10           ✓         KAM         80719652          ElV         63000053         18         10         RFM-AMB Room sensor         7,40 °C, 64,4 %         4013           ✓         BMT         19050653         18         10         RFM-AMB Room sensor         7,40 °C, 64,4 %         4013           ✓         BMT         19050563         18         10         RFM-AMB Room sensor         7,40 °C, 64,4 %         4013           ✓         KWW         23521327         16         3.4         KWM210 · Cold water m         2051 °C, 46,5 %         4013           ✓         KAM         73005061         32         0.4         Outlidectional repeater         0.10	42	50455	<ul> <li>Image: A start of the start of</li></ul>	Office electricity meter
✓         KAM         80719641         04         35         MultiCal 603 - Heat meter         MultiCal 603 - Heat mete	3	643	✓	Main electricity meter
✓         KAM         80719652         ✓         Ø <th< td=""><td>1</td><td>33489</td><td>✓</td><td>Office climate</td></th<>	1	33489	✓	Office climate
✓         BMT         19050653         18         10         RFM-AMB Room sensor         7,40 °C, 64,4 %         4013           ✓         BMT         19050563         18         10         RFM-AMB Room sensor         7,40 °C, 64,4 %         4013           ✓         KVM         23521327         16         3A         KVM2210 · Cold water m         2051 °C, 46,5 %         4013           ✓         KAM         73005061         32         04         Unid/rectional repeater         0         Unid/rectional repeater         0	5			Heat,North
Image: With With With With With With With With	0			Heat,South
KAW         23521327         16         3A         KWM/2210 - Cold water m           KAM         73005061         32         04         Unidirectional repeater         0	1	4013	Image: A start of the start	Garage climate
KAM         73005061         32         0.4         Unidirectional repeater         0	2	4013		Celler climate
	2			
	8			
KAM 73005137 32 04 Unidirectional repeater 4	4			
KAM 6839585 04 1A MultiCal 601 - Heat meter	2	·		



#### When finish, - press "Close serial port" to stop data collection!

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File Edit Key man	agement Remo	ote Reports				
Open serial port	Close serial por	rt <sub>ə</sub> İ Search			Decoded Req	juired 🝦 🗄
Frames Meters Se	tup					
Required Manufac	turer Serial	Device Version	Radio Manufacturer	Radio Serial	Radio Device	Radio Versi

## Now it's possible to save the collected date in different formats!

S DeviceLab Collector App v. 0.2.16.58+ ac8783251f74c5ff6d690f69c20d5f4df2f016ae - Licensed to Karsten

New session (clear data) Load frames from CSV file	Ctrl+N Ctrl+O			Decoded Rec	uired <sub>=</sub>   Fra	mes captured: 1368 (1368	Displayed)
Save frames CSV file	Ctrl+S	Radio Manufacturer	Radio Serial	Radio Device	Radio Version	Description	Latest value
Save as new frames CSV file						Electricity meter	1964060 Wh
Export frames file	Ctrl+Shift+E					EM24DINAV23 - 3 phases	224900 Wh
Export readings file						Room sensor	3,58 °C, 75,5
Load meterlist						MultiCal 603 - Heat meter	
Save meterlist					i i		
						RFM-AMB Room sensor	7,40 °C, 64,4
Exit						RFM-AMB Room sensor	20,51 °C, 46,

"Save frames CSV file": Save "frames" in a new file for later import using "Load frames from CSV file" or update previously saved file if it exists... - this feature can be used repeatedly during the data collection.

"Save frames CSV file": Save "frames" in a new file for later import using "Load frames from CSV file"

"Export frames file": Save a .csv file with "telegrams only"

"Export readings file": Save a .csv file with "readings"

Confirmation

"Save meterlist": Save a .csv file with meter marked "Required", - no metes marked saves a list of all collected devices!

"New session (clear data)": Clear all collected data and loaded meterlist !!!



\* More info on How To collect and save data, see "plc-getting-started"

\*\* More info on How To load keys, see "plc-key-management"