IPETRONIK





IPEmotion_PlugIn_SIEMENS_PLC_V01_05_02

9. Oktober 2018

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1 Important and general information

1.1 Important information

Please follow these instructions before and during the use and application on any IPETRONIK product!

1.1.1 Safety and Warning instructions

Please follow the instructions and information as contained in the user manual!

- 1. The user can **influence an electronic system by applying the IPETRONIK product**. This might cause risk of personal injury or property damages.
- 2. The use and application of the IPETRONIK product is permitted only to qualified professional staff, as well as, only in appropriate manner and in the designated use.
- 3. Before using an IPETRONIK measurement system in the vehicle it has to be verified that no function of the vehicle, which is relevant for secure operation, might be influenced:
 - by the installation of the IPETRONIK measurement system in the vehicle,
 - by an potential malfunction of the IPETRONIK system during the test drive.

In order to avoid possible danger or personal injury and property damages, appropriate actions are to be taken; such actions have to bring the entire system into a secured condition (e.g. by using a system for emergency stop, an emergency operation, monitoring of critical values).

Please check the following points to avoid errors:

- Adaption of sensors to components of the electrical system / electronics, brake system, engine and transmission control, chassis, body.
- Tap of one or several bus systems (CAN, LIN, ETHERNET) including the required electrical connection(s) for data acquisition.
- Communication with the vehicle's control units (ECUs), especially with such of the brake system and/or of the engine and transmission control (power train control system).
- Installation of components for remote data transmission (mobiles, GSM/GPRS modems, WiFi and Bluetooth components).



The products can be operated in extended temperature ranges greater $70 \,^{\circ}C$ and therefore the operator has to take safety measures to avoid any skin burnings on hot surfaces while touching the products.

- 4. Before directly or indirectly using the data acquired by an IPETRONIK measurement system to calibrate control units, please review the data regarding to plausibility.
- 5. With regard to the application of IPETRONIK products in vehicles during use on public roads the manufacturer and/or registered user of the vehicle has to ensure that all changes/modifications have no influence concerning the license of the vehicle or its license of operation.
- 6. User does agree to the instructions and regulations as mentioned above. In case the user does not agree with the instructions and regulations as mentioned above, he has to notify this expressly and immediately in writing to IPETRONIK before confirming the sales contract.

1.2 Terms and conditions

See IPETRONIK website for details: https://www.ipetronik.com/

1.2.1 Legend of used icons

e	Тір	This icon indicates a useful tip that facilitates the application of the software.
i	Information	This icon indicates additional information for a better understan- ding.
\triangle	Attention!	This icon indicates important information to avoid potential error messages.

1.2.2 Support

Headquarter:

IPETRONIK GmbH & Co. KG

Im Rollfeld 28 76532 Baden-Baden, Germany Phone +49 7221 9922 0 Fax +49 7221 9922 100 info@ipetronik.com www.ipetronik.com Limited commercial partnership with its head office in Baden-Baden, registry court HRA No. 201313 IPETRONIK Verwaltungs-GmbH Baden-Baden is an individually liable society, registry court Mannheim HRB No. 202089 CEOs: A. Wocke, C. Buchholz

Technical support and product information

www.ipetronik.com e-mail: support@ipetronik.com

2 PlugIn overview

2.1 PlugIn description

With the SIEMENS PLC PlugIn you have access to the SIEMENS PLC systems. The PlugIn is able to read data from the PLC and write data to the PLC. Therefor this PlugIn is useful for test bench application where an interface to the SIEMENS PLC is needed.

2.2 PlugIn installation

In order to use the PlugIn together with IPEmotion you need to install it. The PlugIn is available for download from the IPETRONIK website: https://www.ipetronik.com/ When you have installed the PlugIn, you need to launch the IPEmotion software. Then you need to access the application menu and open the OPTIONS. In the OPTIONS you can activate the PlugIn as indicated below.

	New	Recent projects list							
7,	Open								
•	Save				Act	tivate PlugIn in C	PTIONS		[1_5
-	120		IPEmotion options						
G	Save as		Frequently used	Active		Title	Version	Description	Manufacture
5	Ann Frank		Basic settings			IPETRONIK CAN	01.16.00	Connection of IPETRONIK CAN ac	IPETRONIK
-	App-Export	•	Appearance		盖	IPETRONIK X	02.05.02	IPETRONIK CAN and Ethernet dev	IPETRONIK
4	D. Harrison		View		Inci	IPETRONIK LOG	03.59.01	IPETRONIK Data logger (M-LOG, S	IPETRONIK
2	Runtime version		Data manager		(S)	GPS	01.05.00	Serial interface for GPS mouse	IPETRONIK
5			Import		1	SIEMENS PLC	01.05.00	Access to process data of Sie 🔞	IPETRONIK
).	Compare		Export		0	Video	01.02.00.58	Synchronic recording of video dat	IPETRONIK
٦.			Analysis	~	E.	Protocols	02.00.00	Protocol acquisition with any CAN	IPETRONIK
1	Print	•	Maps	~	20	PROFIBUS	01.01.00	PROFIBUS connector as master or	IPETRONIK
			Directories		**	technikmedia Universal Mo	01.01.12	Universal Modbus PlugIn	Technikmedi
1	View	•	Units		1	ETAS - ES4xx	01.01.00.13	Connection of ETAS ES4xx Series	IPETRONIK
-			Hotkey			Velleman	02.01.00	Velleman devices	IPETRONIK
	Administration	•	User administration	~	D	DATAFORTH MAQ	01.02.04.0001	DATAFORTH MAQ	DATAFORTH
			IPEcloud	4				· · · · ·	
	Options	Options	PlugIns				D	ownload manual	Download
0	About	Show/edit general IPE	User displays User operations	The used	he plugir I plugin v	ns to be used.		n number is selected that ends with a '	e' character,

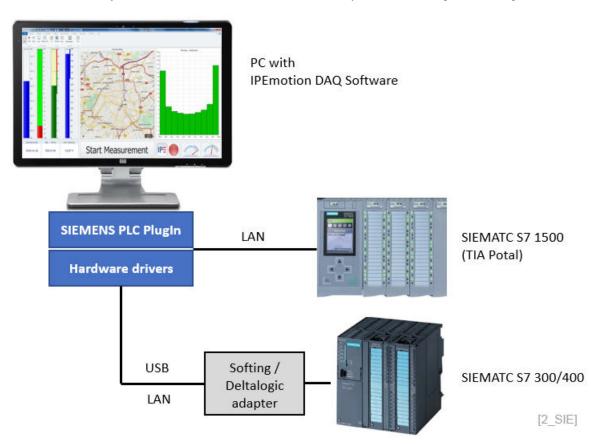
The PlugIn is supporting the following Windows operating systems:

- ▶ 32 bit
- 64 bit

3 PlugIn configuration

3.1 Functional architecture

The following diagram shows the schematic system architecture. You need to establish a USB or ETH connection between your PC and the PLC. If you have a new SIEMATIC S7 PLC based on the TIA Portal you can establish a direct Ethernet connection between PLC and your IPEmotion computer. However, if you have the S7 300 / 400 PLC you need an a USB or ETH interface adapter from Softing or Deltalogic.



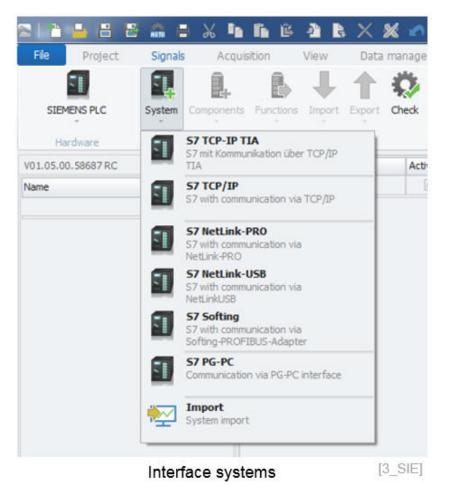
The supported interfaces to communicate to the different PLC systems can be summarized as:

► S	37 TCP-IP TIA	Direct Ethernet connection provided the PLC is running on the TIA portal.
► S	37 TCP-IP	Direct Ethernet connection provided the PLC based on Step 7 program has CP343 industrial ethernet communication interface module.
► S	7 NetLink-Pro	This is a hardware adapter from Deltalogic with and Ethernet out- put for STEP 7 programs.
► S	37 NetLink USB	This is a USB hardware adapter from Deltalogic to connect to the PLC with STEP 7 program.
► S	37 Softing	This is a USB hardware adapter from Softing to connect to the PLC with STEP 7 program.
► S	37 PG/PC	his is the direct programming interface to the PLC running with a

STEP 7 program.

3.2 Creating interface systems

In order to configure your measurement, you need to change to the SIGNALS work space and select the SIEMENS PLC PlugIn from the hardware system drop down list if you like to create the system manually. If you use a USB interface adapter you can run the automatic hardware detection to create your interface system.



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3.2.1 TIA project configuration

When your PLC is based on the TIA project you create the TIA interface system. The you have to enter the IP-address of the PLC to establish and Ethernet connection to your PC.

File Project	Signals	Acquis	sition	1	View	Data	manage	er	Analys	sis R	eporting	
SIEMENS PLC	System	Components	Function	ons	Import	Export	Check	Adju	st Det	ect Initiali	ze Display	,
Hardware			Co	onfigu	ration					Acce	SS	
V01.05.00.58687 RC					Name				Active	Unit	Phys Min	1
								_				
🔹 🚺 S7 TCP-IP TIA	-2		Σ	9								
Inputs I/O inputs Outputs I/O output			0 0 0 0	9					E	nter IP- f TIA PL	address	1
S7 TCP-IP TIA Inputs I/O inputs Outputs I/O output Flag			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9					E			5
STCP-IP TIA Inputs I/O inputs Outputs I/O output Flag Timer			0 0 0 0 0 0		eneral	Connect	ion parati	meters	E			;
STTCP-IP TIA	ts		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		eneral	Connect	ion para		E			5

TIA project import is the most convenient way to create all channel on the IPEmotion side. You have to select the TIA interface in the device try and then you can perform the TIA configuration import.

File	Project	Signals		i in a	View	Dat	a manag		Analysis	? 📝
SIEMEN]	System	Components			1	0	Adjust	14	Initialize
Hardy				c	onfigi		roject Is from a 1	TIA projec	:t	
/01.05.00.5 Name	8687 RC			Σ	Ŷ					
4 🚺 S	7 TCP-IP TIA	-2		0						
2	Inputs			0						
<u> </u>	I/O inputs			0						
20	Outputs			0						
22	I/O output	s		0						
-	Flag			0						
0	Timer			0						
5	Counter			0	Genera	Conne	ction para	meters		
œ	Data block	s		0		Active:				
<u></u>	Status			0		ricure.				
						Name:	S7 TCP	IP TIA-2		
					TIA p	roject i	nport		E	5 SIE]

In the file open dialog you select the TIA project file. The nummeric extension of ap1x is corresponding to the TIA portal release. E.g. ap13 = TIA portal 13. The PlugIn supports TIA portal 13 and 14.

- ► .ap1x
- ▶ .agl

Organisieren 👻 Neuer Ordne	r		8==	- 🗇 🤅
🔆 Favoriten	Â.	Name	Änderungsdatum	Тур
🧮 Desktop	==	AdditionalFiles	29.11.2017 15:10	Dateiordner
〕 Downloads		퉬 System	29.11.2017 15:10	Dateiordner
 Zuletzt besucht Filr OneDrive Desktop Bibliotheken Bibliothe Bilder Dokumente] IPE_Test_TIA.ap13	15.01.2015 18:18	AP13-Datei
	•	۰ III	2	
	IPE_Test_TIA.ap	•13 🔹	TIA-Projekt(*.ap1*,	*.agl) - Abbrechen

After selecting the TIA project file a import dialog is provided where you can select the channels / variable you like to use in your measurement application. The import supports all typs of data elements from inputs, output status and data blocks elements as indicated in the device tree.

	Name	Selection	Description	Reference		
٩						2
I	t1	V		IN		
	t2	<u>~</u>		IN		
	t3	Z		IN		
	reset			IN		
	reset_1	<u> </u>		IN		
	Value_1	<u>~</u>		OUT		
	Value_2	<u>~</u>		OUT		
	Value_3	Z		OUT		
	Value_4	<u>~</u>		OUT		
	Value_5	_		OUT		
	Value_6	_		OUT		
	Value_7	~		OUT		ŀ
of	96 selected			ОК	Cancel	_

When the import is complete the channels are displayed in the channel grid.

nts Functi	ons	Import Export Check Ad	1	tect Initia	lize Display	Scripting Details View	Info		
		Name	Active	Unit	Phys Min	Phys Max	Sensor Min	Sensor Max	Sampling rate
Σ	9								
	×.	AI_real_2	~		0	65535	0	65535	1 Hz
96		DI_0.0	~		0	1	0	1	1 Hz
11		AI_real_1	4		0	65535	0	65535	1 Hz
0		AI_real_Temperatur_Ther	~		0	65535	0	65535	1 Hz
8		DI_0.1	4		0	1	0	1	1 Hz
0		DI_0.2			0	1	0	1	1 Hz
		DI_0.3	~		0	1	0	1	1 Hz
-		DI_0.4	-		0	1	0	1	1 Hz
		DI_0.5	1		0	1	0	1	1 Hz
		DI_0.6	~		0	1	0	1	1 Hz
9		DI_0.7	~		0	1	0	1	1 Hz
8		DO_0.0	~		0	1	0	1	1 Hz
8		DO_0.1	~		0	1	0	1	1 Hz
8		DO_0.2	~		0	1	0	1	1 Hz
8		DO_0.3	~		0	1	0	1	1 Hz
		DO 0.4	1		n	1	0	1	1 Hz
	G	eneral Connection paramete	ers l						
0		Name: S7 TCP-IP TI	A-2						
		Description: S7 mit Komm	unikation i	iber TCP/I	P TIA				
		Reference: S7 TCP. ID T	4.0						
		Neterence: 57/) GP4P, U	P/04						
	96 111 0 8 90 0 0 6 8 5 9 9 0 0 0 6 8 8 8 8 8 8 8 8 8	2 Functions Configure 2 96 11 0 8 0 9 0 0 68 5 9 8 8 8 8 8 8 8 8 8 8 8 8 8	Name AI_real_2 AI_real_1 AI_real_1 AI_real_1 AI_real_Temperatur_Ther DI_0.1 DI_0.2 DI_0.3 DI_0.4 DI_0.5 DI_0.6 DI_0.7 B DI_0.7 B DI_0.1 DI_0.3 DI_0.4 DI_0.7 B DI_0.1 S DI_0.2 DI_0.3 DI_0.4 DI_0.7 B DO_0.0 DO_0.1 DO_0.2 DO_0.3 DO_0.4 S DI_0.7 B DO_0.7 B B Connection parameter Active: D D B B Connection parameter Connection parameter <	Name Active: Name Active: AI_real_1 AI_real_1 AI_real_1 AI_real_1 DI_0.0 AI_real_1 DI_0.1 DI_0.2 DI_0.3 DI_0.5 DI_0.6 DI_0.7 DO_0.0 DI_0.7 DO_0.1 DO_0.1 DO_0.3 DO_0.4 Connection parameters Active: Active: DO_0.3 DO_0.4 STICP-IP TIA-2 Description:	View Data manager Analysis Import Export Check Adjust Detect Initial Configuration Active Unit Import Export Check Adjust Detect Initial Mame Active Unit Import Export Check Adjust Detect Initial Mame Active Unit Import Import Export Check Adjust Detect Initial Mame Active Unit Import Import Import Export Check Adjust Detect Initial Mame All_real_1 Import Import </td <td>Name Active Unit Phys Min Name Active Unit Phys Min AI_real_2 Import Display Import Display AI_real_1 Import O O O AI_real_1 Import <thimport< th=""> Import Import</thimport<></td> <td>View Data manager Analysis Reporting Scripting Image: Scripting<!--</td--><td>View Data manager Analysis Reporting Scripting Info Image: Second conditionation conditionation uber TCP/IP TIA Image: Second conditionation uber TCP/IP TIA Image: Second conditionation uber TCP/IP TIA Image: Second condition uber TCP/IP TIA Image: Second condition uber TCP/IP TIA Image: Second condition uber TCP/IP TIA Image: Second condition uber TCP/IP TIA Image: Second condition uber TCP/IP TIA</td><td>View Data manager Analysis Reporting Scripting Info Image: Second Second</td></td>	Name Active Unit Phys Min Name Active Unit Phys Min AI_real_2 Import Display Import Display AI_real_1 Import O O O AI_real_1 Import Import <thimport< th=""> Import Import</thimport<>	View Data manager Analysis Reporting Scripting Image: Scripting </td <td>View Data manager Analysis Reporting Scripting Info Image: Second conditionation conditionation uber TCP/IP TIA Image: Second conditionation uber TCP/IP TIA Image: Second conditionation uber TCP/IP TIA Image: Second condition uber TCP/IP TIA Image: Second condition uber TCP/IP TIA Image: Second condition uber TCP/IP TIA Image: Second condition uber TCP/IP TIA Image: Second condition uber TCP/IP TIA</td> <td>View Data manager Analysis Reporting Scripting Info Image: Second Second</td>	View Data manager Analysis Reporting Scripting Info Image: Second conditionation conditionation uber TCP/IP TIA Image: Second conditionation uber TCP/IP TIA Image: Second conditionation uber TCP/IP TIA Image: Second condition uber TCP/IP TIA Image: Second condition uber TCP/IP TIA Image: Second condition uber TCP/IP TIA Image: Second condition uber TCP/IP TIA Image: Second condition uber TCP/IP TIA	View Data manager Analysis Reporting Scripting Info Image: Second

Selected channels from TIA project are created

[8_SIE]

On channel level you have in the Path tab sheet an indication of the symbol project path.

li 🛍 🖶 🗄 🖆 🛲 🚍 🚜	14 B	B	🚈 🕹 🗙	* 🔊	2	S: 🔕	2 M	🎍 - 👘			IPEmotion
File Project Signals /	Acquisition		View Data	a manage	r	Analysis	Repo	rting	Scripting	Info	
SIEMENS PLC System Compo		Config	Import Export	Check	Adjust	Detect	Initialize		etails		
01.05.00.58687 RC			Name	Active	Unit	Phys Min				Sampling rate	Symbol-Pfad
lame	Σ	4		(=)							
	-		AI_real_Temp		1	0	65535	0	65535	1 Hz	IPE Düsseldorf Test.Tags.Standard-Variablentabelle. "AI real Te
57 TCP-IP TIA-2	96		0.0 IC			0	1	0	1	1 Hz	IPE_Düsseldorf_Test.Tags.Standard-Variablentabelle."DI_0.0"
E Inputs	11		DI 0.1	1		0	1	0	1	1 Hz	IPE Düsseldorf Test.Tags.Standard-Variablentabelle."DI 0.1"
I/O inputs	0	1	DI 0.2	~		0	1	0	1	1 Hz	IPE_Düsseldorf_Test.Tags.Standard-Variablentabelle."DI_0.2"
Cutputs	8		01 0.3	~		0	1	0	1	1 Hz	IPE_Düsseldorf_Test.Tags.Standard-Variablentabelle."DI_0.3"
🚼 I/O outputs 🏪 Flag	0		DI_0.4	~		0	1	0	1	1 Hz	IPE_Düsseldorf_Test.Tags.Standard-Variablentabelle."DI_0.4"
Flag	9		DI_0.5	~		0	1	0	1	1 Hz	IPE_Düsseldorf_Test,Tags.Standard-Variablentabelle,"DI_0.5"
Timer Counter	0		DI_0.6	2		0	1	0	1	1 Hz	IPE_Düsseldorf_Test.Tags.Standard-Variablentabelle."DI_0.6"
	0		DI_0.7			0	1	0	1	1 Hz	IPE Düsseldorf Test, Tags, Standard-Variablentabelle, "DI 0.7"
A Data blocks	68		AI_real_1			0	65535	0	65535	1 Hz	IPE_Düsseldorf_Test.Tags.Standard-Variablentabelle.AI_real_1
	5		AI real 2			0	65535	0	65535	1 Hz	IPE Düsseldorf Test.Tags.Standard-Variablentabelle.AI real 2
EC_Counter_0_DB_1	8			1 124			00000	Č.			
IEC_Counter_0_DB_4	8										
EC_Counter_0_DB_5	8										
EC_Counter_0_DB_6	8										
IEC_Counter_0_DB_7	8										
EC_Counter_0_DB_8	8					0					
EC_Timer_0_DB_1	3	Gen	eral Format	Scaling	Disp	ay Pfac					
Baustein_1_DB	3		Symbol-	Pfad: IPE	_Düsse	dorf_Test	Tags.Stand	dard-Variable	ntabelle. "AI_	real_Temperatur	_Thermo(2)"
👾 Status	0										

TIA symbol path

[9_SIE]

3.2.2 STEP 7 project configuration

If you like interface your IPEmotion to a STEP 7 Siemens S300 /S400 PLC you can use e.g. the Deltalogic USB interface. When the USB connection between PC, interface hardware and PLC is established, you can run a hardware detect to establish a connection the PLC. If the connection is not possible you can change the settings in the Deltalogic adapter, which is explained at the end xxxx.

File	Project	Signals	Acquisitio	n	View	Data	manag	er	Analysis	Repo	rting
		-			4	1	Ø		14	*	
SIE	MENS PLC	System C	omponents F	unction	s Impo	rt Export	Check	Adjust	Detect	Initialize	Display
на	ardware			Cont	iguration	i)				Access	
V01.05.0	0.58687 RC				Name		Active	Unit	Phys Min	Phys Max	Sensor M
Name			Σ	9							
4	S7 NetLink-US	8-1	0								
2	S7			91							
	Inputs I/O in		0								
	I/O in		0								
	I/O ou		0								
	Flag		0								
				0	eneral	Connectio	n param	eters			
	Timer		0	G	CITCI CI						
	Timer	er	0		and a	DI C our	hore 2	_			
	Timer					PLC num	nber: 2				

USB interface to STEP 7 PLC

The fastes way to get access to the PLC variables is to use the S7 project import. However, if you know the variable names and the Start Byte and Bit addresses you can create the variables manually too.

2 1	8 8	- 6	× 1	G	E -	a 1	• × 8	🗶 🖍	2	4 8	? 🗖
File	Project	Signals	Acqu	isition	V	iew	Data	manag	er	Analysis	Rep
SIEMENS	PLC	System	Components	Fun	ctions	Import	Export	Check	Adjus	t Detect	Initialize
Hardw	are				Configu		S7 proj				55
V01.05.00.58	687 RC				N	-	Symbols	from a s	57 proje	ect	Max
Name				Σ	φ		Symbol t				
× 🖬 ۲۵	NetLink-US	B-1		0	Ļ						
- 1	S7			0							
8	Inputs			0							
8	I/O ing	outs		0							
8	Outpu	ts		0							
8	I/O ou	itputs		0							
-	Flag			0							
) Timer			0	Gener	al	Connection	parame	eters		
1		er		0						-	
E.	and the second se	locks		0			PLC num	ber: 2			
\				0			MLFB num	ber: U	known		
					Impo	ort S	7 proje	ct		I	16 SIE]

It is not sufficient to select the S7 project file only. Rather you need to have a complete export of the S7 project (.s7p) structure including all subfolders too. The import is retrieving all relevant data from some of the sub-folders in order to create all variables.

Flexray Demo GM LAN HUSCOINT LDF old PDX \$7 03_Testdaten HH Ipemotio IPEmotionDem Audi_w Prüfkr_02052011 \$7_2 Synchronize-Funktion TIA Webinar_2015_R2 Yan Factory Instruments MAL-Designer Operations	Änderungsdatum 10.11.2017 11:55 10.11.2017 11:	Typ Dateio Dateio Dateio Dateio Dateio Dateio Dateio Dateio Dateio Dateio Dateio Dateio Dateio Dateio Dateio S7P-Da

After selecting the .s7p project file you are guided to the import dialog. Here you can select individual or all channels you like to integrate to your measurement application.

	Nan	ne	Selection	Description	Refi	erence	nce	
٩								
٠	1_1	_CON_M_T01		Überhitzung Ventil 1	DB	115		
	1_1	_CON_M_T02	~	Überhitzung Ventil 2	DB	117		
	Α	1.0	~	Bit - Shifting über AB 1	A	1.0		
	Α	1.1	~	Bit - Shifting über AB 1	Α	1.1		
	A	1.2	~	Bit - Shifting über AB 1	Α	1.2		
	Α	1.3	~	Bit - Shifting über AB 1	Α	1.3		
	Α	1.4	~	Bit - Shifting über AB 1	Α	1.4		
	Α	1.5	4	Bit - Shifting über AB 1	Α	1.5		
	Α	1.6	~	Bit - Shifting über AB 1	A	1.6		
	Α	1.7	~	Bit - Shifting über AB 1	Α	1.7		
	DB-	In	~	Schalter/Status usw	DB	20		
	DB-	Real	~	Ist-Sollwerte usw	DB	30		
320	of 23	20 selected		OK		Cano	el	

The imported channels / variables are now visible in your channel grid.

File Proje	ct Signals A	cquisition		Vie	w Dat	a manag	er	Analysis	Repo	rting !	Scripting	Info
SIEMENS PLC	System Compor	} ∋ents Fur	Conf	s In igural	port Export	Check	Adjus	t Detect	Initialize Access		etails //ew	
V01.05.00.58687 R	C			Nam	e	Active	Unit	Phys Min	Phys Max	Sensor Min	Sensor	Sampling rate
Name		Σ	۴									
				A	1.0	~		0	1	0	1	1 Hz
🖌 🛐 S7 NetLi	nk-USB-1	2305		A	1.1	~		0	1	0	1	1 Hz
- 11 S7		2305		A	1.2	~		0	1	0	1	1 Hz
	Inputs	0		A	1.3	~		0	1	0	1	1 Hz
82 1	I/O inputs	0		A	1.4			0	1	0	1	1 Hz
25 (Outputs	16		A	1.5	~		0	1	0	1	1 Hz
25 1	I/O outputs	0		A	1.6	~		0	1	0	1	1 Hz
	Flag	10		A	1.7	~		0	1	0	1	1 Hz
	Timer	0				-		0		0	1	1112
	Counter	0	5		_0,5Hz	and the second s		1.0.0		1000		Unotes
turbut .	Data blocks	2279			_0,625Hz	~		0	1	0	1	1 Hz
1	1_1_CON_M_T01	166			_1,25Hz	~		0	1	0	1	1 Hz
	1_1_CON_M_T02	166		Takt	t_10Hz			0	1	0	1	1 Hz
	DB-In	96		Tak	_1Hz	~		0	1	0	1	1 Hz
	DB-Real	147		Takt	_2,5Hz	~		0	1	0	1	1 Hz
-	DB-RET_VAL1	257		Takt	_2Hz	~		0	1	0	1	1 Hz
	DB-Senden_Emp	57		Takt	5Hz	~		0	1	0	1	1 Hz
10	iPID_Regl_Anem	166			-							
	iPID_Regl_Heate	166	Ge	eneral	Format	Scaling	Disc	ay Add	ress			
10	PID_Regl_Konde	166										
	iPID_Regl_Konde	166				byte: 0		d				
	iPID_Regl_Unter	166		Bit add		dress: 7		Ь				

3.2.3 Manual Deltalogic USB adapter configuration

In the case that the PLC hardware detection via the Deltalogic USB adapter is causing communication errors you can make configuration changes in the ACCON AG Link software. The AGLink40 Config software is included in the setup of the PlugIn in the following directory:

▶ Win 7: C:\Program Files (x86)\IPETRONIK\IPEmotion PlugIn SIEMENS PLC V01.05.00

When you start the AGLink40 Config software you need to define a directory where to store the configuration file. The storage location has to be in the following ProgramData directory:

► Win 7 C:\ProgramData\IPETRONIK\IPEmotion 2017 R3\MAL\IPETRONIK\SIEMENS PLC

In the interface setting dialog you select on Device 0 the NetLink USB interface. Then you can disable the automatic configuration and update the communication settings manually.

eräte Te	st Optionen Programm						
Gerät 0	S7-NetLink-USB	-	NetLink-USB				
) Gerät 1	Nicht aktiv		Lokaler Anschluss	-			
Gerät 2	Nicht aktiv	-	NetLink-USB Name				
) Gerät 3	Nicht aktiv	•	Stationsbezogen				
) Gerät 4	Nicht aktiv	•	Automatische Erkennung	der netzbezog	genen Parameter		
) Gerät 5	Nicht aktiv	•	PG-Adresse:		0	*	
) Gerät 6	Nicht aktiv	•	Timeout [ms]:		30000		
) Gerät 7	Nicht aktiv	•	Netzbezogen			_	
) Gerät 8	Nicht aktiv	•	Übertragungsgeschwindigkei	t:	187,5 kbit/s	•]	
) Gerät 9	Nicht aktiv	-	Höchste Teilnehmeradresse:		31	-	
) Gerät 10		-	Profil:		MPI	-	Manual upda
) Gerät 11			Advanced PPI		Busparamete		of settings
) Gerät 12					busparamete	a	or settings
) Gerät 13		-	Verbindungsbezogen				
8			Verbindungsart:		OP-Verbindung	•	
) Gerät 14						1.000	
) Gerät 15	Nicht aktiv	•					
			NetLink parametrieren		NetLinks such	ien	
			L				
				ОК	Abbrechen	Überne	ehmen Hilfe (F1)

Author: FOT