

B3100 Series Remote Configuration Quick Start Guide

Getting Started

- 1. Unzip the contents of the folder.
- 2. Start the application by double-clicking **RemoteConfiguration.exe**. You now have the choice to connect a device, or use the tool in offline configuration mode.

퉬 +	Rem	note Configuration Tool	~ C	Zoeken in Remote Configurat 🔎	
	^	Naam	Gewijzigd op	Туре	Grootte
		RemoteConfiguration.exe	8-9-2015 16:21	Toepassing	1.516 kB

Offline Configuration

To use the tool in offline configuration mode, select a device from the drop-down menu labelled Model and click the Enter offline configuration button. Create a custom configuration for the selected device.

		comgatation root		
Default Config.	Load Config.	Save Config.	Write to device	Read device
Current Device: no device d	etected	Status: no device detected		About
DME Please connect your device to t identify the model, revision and After correct identification, you your PC and to up- and downloi: Click 'Port Setup' to change e.g By selecting Offline Configuration you can save to your PC. Once your custom configuration and of To enter Offline Configuration, revision, and click 'Enter offline	he communications b serial number. have the possibility to ad settings to and fro . communications po n, you are able to cre you have succesfully download it to the ur please select your mo configuration'.	bus and click 'Connect Device' to o load and save a configuration on m the device. rt, speed, protocol and bus address. eate a custom configuration which connected your device, you can loa nit. odel and (if applicable) firmware	d Re	Port Setup nnect device ad log data
Office Configuration		Restart device	F	actory reset
Model M0123	✓ Any r	vare revision	Enter of	ffline configuration
			Factory Config.	Save Default





In the following example, the *Flowmeter* tab is shown. Each tab has settings that can be changed.

C	Default Confi	g.		Load	Config.			Save Config.	V	/rite to de	vice	Read device
Curr	ent Device: I	no d	evice dete	ted			Status	: values nee	d to be read fro	m or writ	tten to the de	vi About
OME	Runtime Valu	es .	Total Flow	Rate	Display	Flow	meter	Linearization	Analog Output	Pulse Ou	tput Modbus	Others
Signa O NPI O NPI	l N N Low Pass		eed eed Low Pas	0 s 0	PNP PNP Low	Pass	○ Na ○ Co	mur il High	● Coil Low ○ 8.2V dc	○24V	dc	
Units O Har	(automatic u nd	nit co	onversion) – uto volume	0	Auto mas	is						
Unit ● L ○ m³			S GAL GAL	00	CF Oil BBL		⊖ kg ⊖ tor	n	US ton			
K-Fac	tor		Value =		1 pulse	es / L						
Decin	nals K-Factor	01		0	2		3		0 4	○5	06	
											Previous page	Next pag

To save your custom configuration to your PC, select **Save Config**.

To load an existing configuration, choose **Load Config** and select a previously saved configuration from your PC. To restore the values in the tool to the default configuration for the selected model, choose **Default Config**.

The Write to device and Read device buttons are disabled until a device is connected.

Connecting a Device

- 1. Make sure the device is connected to the PC.
- 2. To connect the tool to a device, enter the *Port Setup* by clicking **Port Setup** on the *HOME* tab.

	Remote	e Configuration Tool		
Default Config.	Load Config.	Save Config.	Write to device	Read device
Current Device: no device	e detected	Status: no device detec	ted	About
ME				
Please connect your device t dentify the model, revision a After correct identification, y your PC and to up- and dow	to the communications l and serial number. You have the possiblity t pload settings to and fr	bus and click 'Connect Device' to load and save a configuration on the device	to n on	Port Setup
Jick 'Port Setup' to change 3y selecting Offline Configura 400 can save to your PC. On	e.g. communications po ation, you are able to cr	eate a custom configuration wi connected your device, you c	Idress.	Connect device
rour custom configuration ar To enter Offline Configuratio evision, and click 'Enter offlin	nd download it to the u n, please select your m ne configuration'.	nit. odel and (if applicable) firmware	9	Read log data
		Restart o	device	Factory reset
Model	Firmv	ware revision		
	✓ Any	revision v	<u></u> Ente	r offline configuration
			Factory Config.	Save Default

The following window pops up:

¢	Port Se	etup		8
- Communicatio	on setup			
COM-port:	show all	COM8		~
Bits per secor	nd:	9600		~
Data bits:		8 bits		\checkmark
Parity:		None		~
Stop bits:		1 bit		~
	Release		Connect	
Ports-list char	nged:			
Status: Conne	ected.	Settings:	9600, N, 8, 1	
Modbus setup				
Protocol		⊖ AS0	CII 💿 RT	U
Slave addres:	s		1	•
Number of trie	es		1	•
No response	time-out		500	•
RTU time-out	(msec, 0 for de	efault)	20	•
			✓ <u>C</u> lose	

- 3. Select the COM-port.
- 4. Select the speed setting.
- 5. Select the protocol that the device uses. The default is RTU.
- 6. Make sure the RTU time-out is set to 20.
- 7. Click **Connect device** on the *HOME* tab, above the *Port Setup* button.

If you get the following notification, check that the information entered in the *Port Setup* is compatible with the values found in the device (in the *Modbus Communication* menu).



When the device is successfully connected, this notification displays:

Connect D)evice 🛛 🕅
Found a device! Serialnumber: Model: Version: Read current con	1539082 MO123 03:03:46 figuration from device?

Then the HOME tab displays.

				Remo	te Configu	ration Tool				
C	Default Config.		🔒 Load (Config.		Save Config.	🔶 w	rite to device	-	Read device
Cur	rrent device: 15	39082/	M0123/03	:03:46	Status	: values were	read correctly	from the devi	ice.	About
HOME	Runtime Values	Total	Flow Rate	Display	Flowmeter	Linearization	Analog Output	Pulse Output	Modbus	Datalogging •
Click By se you o your To e	'Port Setup' to cl electing Offline Co can save to your P custom configura inter Offline Config ion, and click 'Enti	nfigurat PC. Onc tion and guration er offlin	.g. communi ion, you are e you have s d download i , please sele e configurati	able to o succesful t to the ct your r on'.	reate a custo y connected unit. nodel and (if	orotocol and b om configurati your device, y applicable) firm	us address. on which vou can load nware		Release Read log	device 9 data
- Offli	ne Configuration					U Res	tart device		Factory	reset
Offi	ine Configuration			Firm	ware revision	Res	tart device		Factory	reset
Offi	ine Configuration odel D123		Ý	Firm	tware revision	Res	tart device	Ente	Factory	configuration

From the *HOME* screen, you can:

- Start configuring your device
- Restart your device by selecting the **Restart device** button on the right
- Read log data (if supported by your device).

An updated configuration can be saved to your PC, or into the device. The *Save Config* button saves your custom configuration to your PC. You are free to select a location for the file to be saved. The *Write to device* button writes your configuration into the device.

Reading Log Data

If your device supports datalogging, you can read and export this data using the *Remote Configuration Tool*. Select **Read logdata** on the *HOME* tab to display the *Logdata* window:

	Remote Conf	iguration Tool - L	.ogdata		23
Select a log list to << select >> Runtime Interva	o read:	Read data	Save	log data	5 **
- Runtime Daily - Events					^
					~

- 1. Select the list to read from the drop-down menu labelled Select a log list ...
- 2. Click Read data.

😫 🛛 Remote Co	nfiguration To	ol - Logo	data		83
Select a log list to read:	Read data		Save log da	ata	ç*
## read;LOGNR;YYYY-MM-DI	HH:MM:SS;FLOW	WRATE;	TOTAL;	ACC.TOTAL;	
0000164;00164;2016-06-27	7 08:00:00;	0;	0;	0;	\mathbf{A}
0000165;00165;2016-06-27	7 18:00:00;	0;	0;	0;	
0000166;00166;2016-06-28	08:00:00;	0;	0;	0;	
0000167;00167;2016-06-28	3 18:00:00;	0;	0;	0;	
0000168;00168;2016-06-29	08:00:00;	0;	0;	0;	
0000169;00169;2016-06-29	9 18:00:00;	0;	0;	0;	
0000170;00170;2016-06-30	08:00:00;	0;	0;	0;	
0000171;00171;2016-06-30	18:00:00;	0;	0.0;	0.0;	
0000172;00172;2016-07-01	L 08:00:00;	0;	0.0;	0.0;	
0000173;00173;2016-07-01	l 18:00:00;	0;	0.0;	0.0;	
0000174;00174;2016-07-02	2 08:00:00;	0;	0.0;	0.0;	
0000175;00175;2016-07-02	2 18:00:00;	0;	0.0;	0.0;	
0000176;00176;2016-07-03	3 08:00:00;	0;	0.0;	0.0;	
0000177;00177;2016-07-03	3 18:00:00;	0;	0.0;	0.0;	
0000178;00178;2016-07-04	1 08:00:00;	0;	0.0;	0.0;	
0000179;00179;2016-07-04	18:00:00;	0;	0.0;	0.0;	
0000180;00180;2016-07-04	1 08:00:00;	0;	0.0;	0.0;	
0000181;00181;2016-07-04	18:00:00;	0;	0.0;	0.0;	
0000182;00182;2016-07-05	5 08:00:00;	0;	0.0;	0.0;	
0000183;00183;2016-07-05	5 18:00:00;	0;	0.0;	0.0;	
0000184;00184;2016-07-06	5 08:00:00;	0;	0.0;	0.0;	
0000185;NO RECORD FOUND					
End of readout: Runtime	Daily - 153908	82 - 201	7-02-09 13:36:2	22	
Total number of retries:	: 0				
					Y

3. Click **Save log data** to save the list to your PC as a .csv file that you can import into—or open with—a spreadsheet program.

Remote Configuration Tool - Logdata	83
Select a log list to read: Events Read data	¢
<pre>## read;LOGNR;YYYY-MM-DD HH:MM:SS;EVENT ;REGNO; OLD VALUE; NEW VALUE;</pre>	_
Readout of Events for s/n 1539082 at 2017-02-09 13:41:25 There are 7 records in this list.	^
<pre>## read;LOGNR;YYYY-MM-DD HH:MM:SS;EVENT ;REGNO; OLD VALUE; NEW VALUE; 0000001;00001;2000-01-01 00:00:7ACTORY; 0000002;00002;2000-01-01 00:00:24;RESTART; 0000003;00003;2000-01-01 00:00:27;TOT CLR; 0000004;00004;2000-01-01 00:00:57;VAR BUS;00120;0000001438;0000001433; 0000005;00005;2000-01-01 00:01:03;VAR BUS;00120;0000001433;0000001434; 0000006;00006;2000-01-01 00:01:28;VAR DIS;00033;000000000;000000002; 0000007;00007;2000-01-01 00:01:59;RESTART; 0000008;NO RECORD FOUND</pre>	
End of readout: Events - 1539082 - 2017-02-09 13:41:26 Total number of retries: 0	
	\sim

The device also saves a number of different events. Possible events are:

FACTORY	Factory defaults
RESTART	Restart
ERRORS	Error
VAR BUS	Variable changed via communication
VAR DIS	Variable change via menu/display
TOT CLR	Total cleared

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