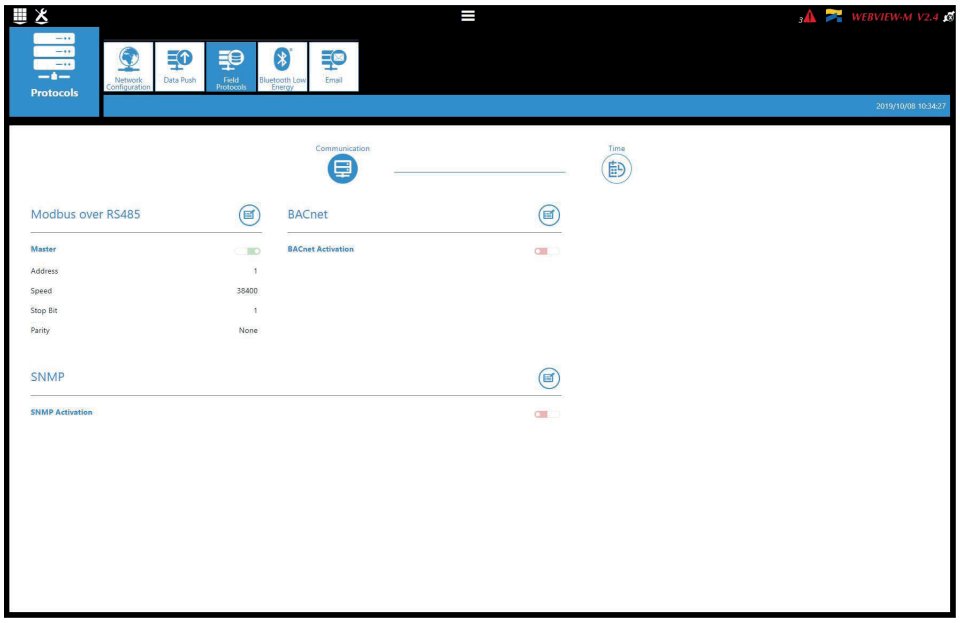
Click on the “Wrench” icon on the top left corner and click on “Protocols”:

Click on the “Field protocols” tab, and under “Communication”, then BACnet, enter BACnet settings:

BACnet activation: activate or disable BACnet IP communication from the D-50/D-70 display.

Virtual Network ID: set the virtual Network ID of the D-50/D-70 display. It must be unique within the BACnet network.

Main instance ID: set the main Instance ID (100 by default) for the D-50/D-70 display. It must be unique within the BACnet network.



ANNEX III. FTP CONFIGURATION

Annex III - 1. FTP file export protocol (only available with DIRIS Digiware D-70)

Measurement logs (see “4.2.2. Introduction to DIRIS Digiware D-70”, page 9) can be automatically exported via FTP(S).

Annex III - 1.1. FTP server activation:

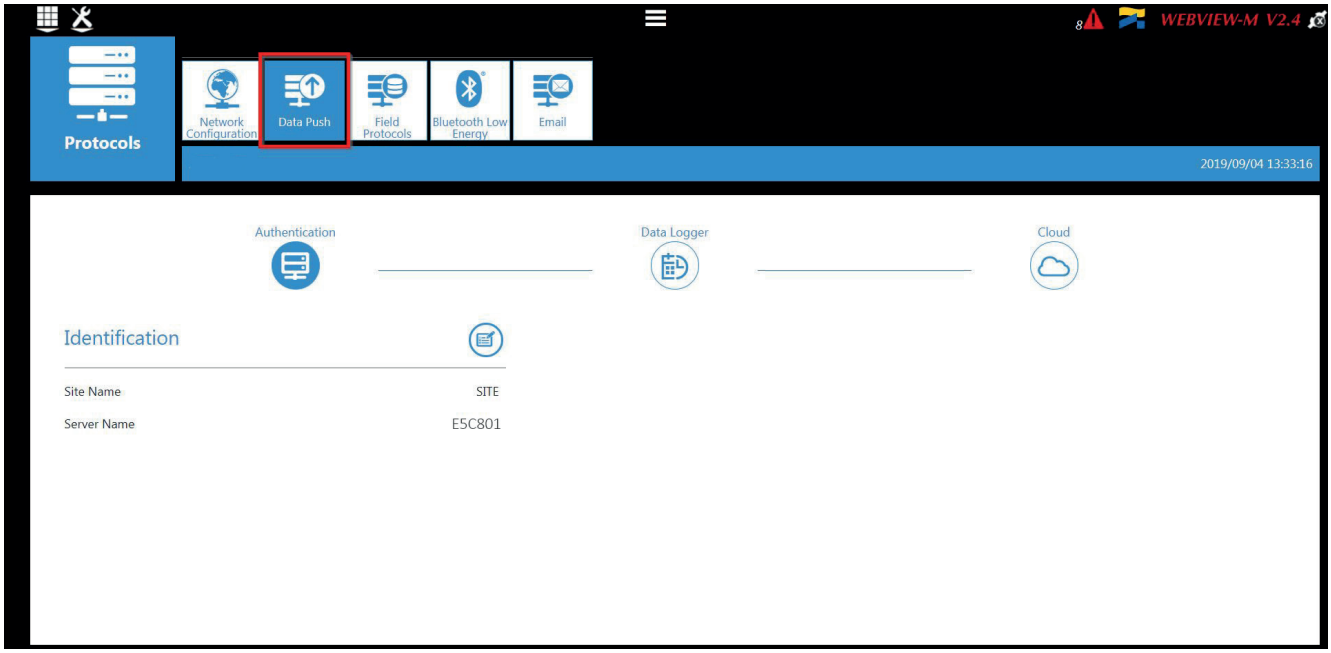
Connect to the web server and go to the “Protocols” menu:

Click on “Data Push”.

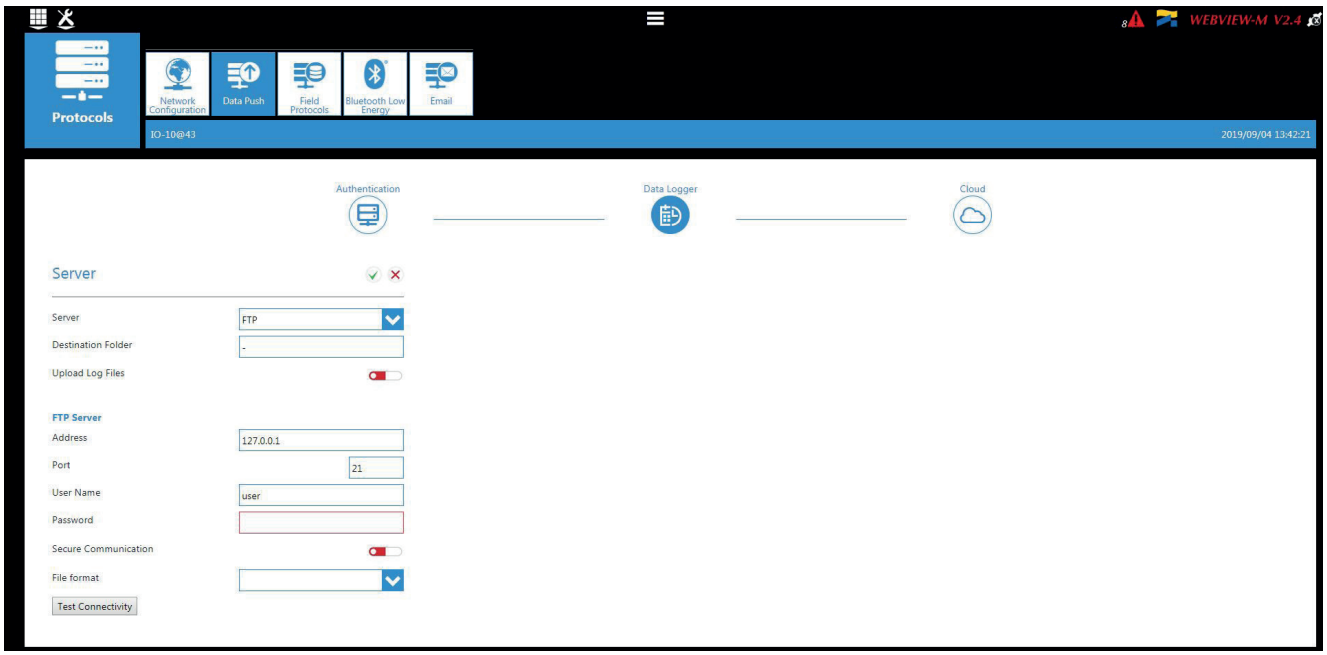
Authentication part:

Site Name & Server Name: used to identify from which DIRIS Digiware D-50/D-70 the files are being exported.

The default site name is “SITE” (must be modified if the export mode is set to EMS) and the default server name corresponds to the NET ID marked on the front face of the D-50/D-70 gateway.



Data logger part:



Server: activate the FTP server to enable the automatic export of data to a remote FTP server.

Destination folder: tree view of the FTP server folder in which you want to export the files.

Upload Log files: activate this to have additional information for troubleshooting in case of an export issue.

FTP Server: This contains the login details of the FTP server (standard or secure).

Address: enter the IP address of your FTP server

Port: enter the secured or non-secured port to use for the FTP export

User Name: enter the user name the access the remote server. It must be consistent with the User name configured on the FTP server.

Password: enter the password to access the remote server. It must be consistent with the passwordconfigured on the FTP server.

Secure Communication: activate or deactivate the secured export (FTPS)

File format: there are two different types of data file

- **CSV:** file in a .csv format in which data is in a user-friendly layout
- **EMS:** file in .csv format whose layout is more practical to integrate into an energy management software.

In EMS mode, the exported files are named according to the following:

Site name_Server name_Device name_Data type_date_time.csv

Example: if an export file is named "***socomec_E5C801_I35_LoadCurve_2017-08-15_20-00-00.csv***", then the file was exported on August 15th, 2017 at 20:00 (8:00pm), it contains Load curves (Demand Power) from a device named I35 from a gateway whose Server name is E5C801 and Site name is socomec.

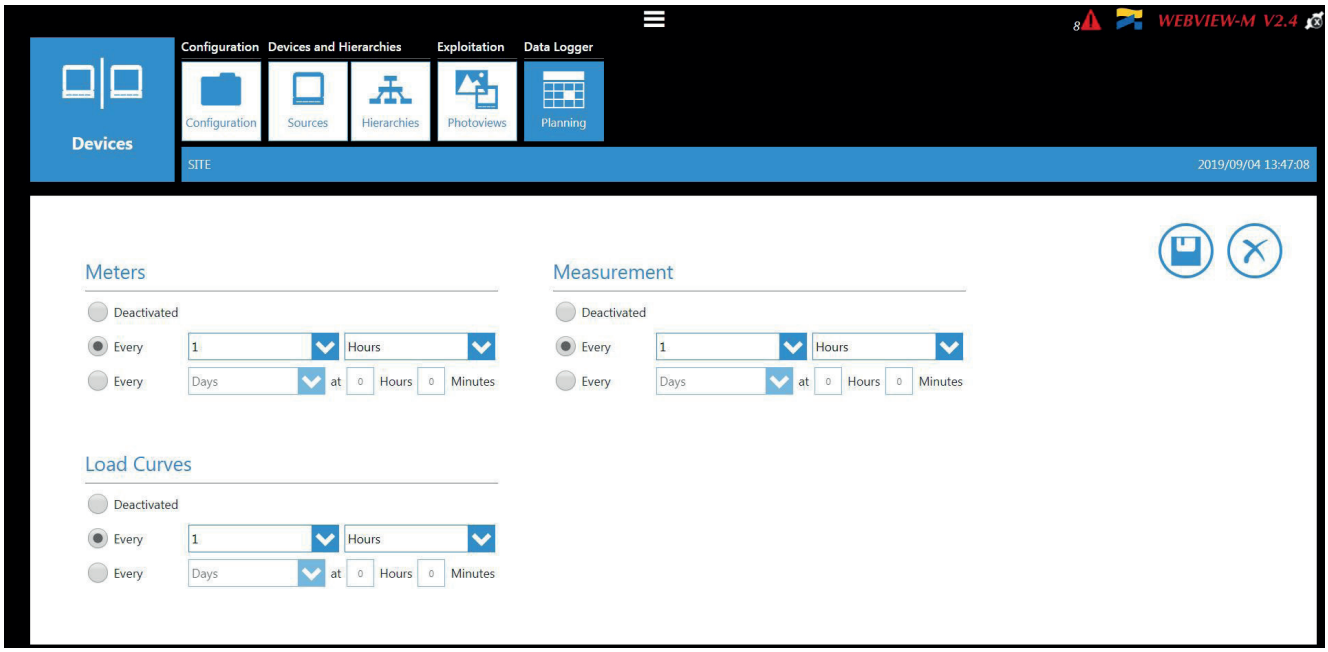
In EMS mode, the Site Name must be different from default name ("SITE"), or the "FTP error" system alarm will be triggered.

Test Connectivity: once the configuration is done, you can test the connectivity by manually exporting a test file

Click on “Devices”:

Click on “Modify active configuration” (1)

Click on “Planning” (2)



Activate the type of data you want to export automatically. The DIRIS Digiware D-70 can log and export 3 types of data:

Enegies Index: Ea, Er, Es etc. (Meters)

Measurement logs/trends: archived parameters U, I, F, PF etc. (Measurements)

Load curves / demand: P, Q, S etc. (Load curves)

For each data type, specify the rate at which data will be exported (once an hour, once a day etc.) and at which time.

socomec_E5C801_I-35@4_Avg_2019-01-18_15-15-10.csv

	A	B	C	D	E	F	G	H	I	J	K	L
1	Data Type	TimeZone	Datation	Transfer Cycle (sec)	Pooling Ti	Version	Site name	Server name				
2	Avg	UTC	Local	600	N/A	1	socomec	E5C801				
3												
4	Index Key	Key	Type	Name	Fluid	Use	Coef	Unit	Path	Device Id	Index	Data Id
5	0	socomec|E5C801|14|1|ANA|100006	ANA	THD I1 of PC 1-2-3 of I-35@4	ELEC	Use2	100	%	/	14	1	100006
6	1	socomec|E5C801|14|1|ANA|100007	ANA	THD I2 of PC 1-2-3 of I-35@4	ELEC	Use2	100	%	/	14	1	100007
7	2	socomec|E5C801|14|1|ANA|100008	ANA	THD I3 of PC 1-2-3 of I-35@4	ELEC	Use2	100	%	/	14	1	100008
8	3	socomec|E5C801|14|1|ANA|10023	ANA	I1 AVG of PC 1-2-3 of I-35@4	ELEC	Use2	1000	A	/	14	1	10023
9	4	socomec|E5C801|14|1|ANA|10024	ANA	I2 AVG of PC 1-2-3 of I-35@4	ELEC	Use2	1000	A	/	14	1	10024
10	5	socomec|E5C801|14|1|ANA|10025	ANA	I3 AVG of PC 1-2-3 of I-35@4	ELEC	Use2	1000	A	/	14	1	10025
11												
12	Index Key	Date	Value	Quality								
13	0	2019-01-18T15:14:00	234	192								
14	0	2019-01-18T15:13:00	237	192								
15	0	2019-01-18T15:12:00	190	192								
16	0	2019-01-18T15:11:00	201	192								
17	0	2019-01-18T15:10:00	200	192								
18	0	2019-01-18T15:09:00	198	192								
19	0	2019-01-18T15:08:00	210	192								
20	0	2019-01-18T15:07:00	231	192								
21	0	2019-01-18T15:06:00	211	192								
22	0	2019-01-18T15:05:00	199	192								
23	1	2019-01-18T15:14:00	20001	192								
24	1	2019-01-18T15:13:00	21605	192								
25	1	2019-01-18T15:12:00	19804	192								
26	1	2019-01-18T15:11:00	20901	192								

1

2

The csv file is split into two parts:

- The part (1) in red corresponds to the header. It contains a unique key, created out of multiple parameters such as the the site and server name, the data type, the data ID, the device ID to uniquely identify each parameter that is exported.
- The part (2) in green contains the logged and time stamped measurements. Each line is identified via the simplified index key, which refers to a unique key in cells B5 through B10.

The final value for cells C13 through C26 is obtained considering the right coefficient in cells G5 through G10 along with the right unit in cells H5 through H10.

Example for line 13:

The final value for THD I1 of circuit PC1-2-3 on module I-35@4 is equal to 2.34 % on January 18th, 2019 at 15:14:00.

When integrating data into a third-party energy management or monitoring software, always refer to the unique Key in column “B”, part (1) as a unique import code and do not only use the simplified index key in column “A”, part (2).

If multiple DIRIS Digiware D-70 displays are exporting to the same folder, the simplified index key cannot differentiate them.

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