Information about CONFIG command in Firmware 11.10

New commands for selecting and modifying operation parameters

With the release of Firmware 9.24 and 11.08 a new feature was added for more comfortable selecting and modifying operating parameters via the command GET and SET. With these commands you can configure the same parameters as via the command CONFIG and DEFAULT, without passing through the whole parameter list.

The command CONFIG was modified with the Firmware 11.10. Instead of just typing in the desired value, you have to type in "+ " (‹Plus› and ‹Space›) before the parameter. Only with this typing the desired values are accepted by the EFOY Pro fuel cell.

Example:

Old:

SFC›CONFIG↵
switch on voltage @ 12 V (actual 12300 mV, min 11000 mV, max 13000 mV)? "12100"↵

New:

SFC›CONFIG↵
switch on voltage @ 12 V (actual 12300 mV, min 11000 mV, max 13000 mV)? "+ 12100"↵

The user manual Interface Adapter IA1 describe the function of all commandss. Here you find a short overview of the new commands GET and SET.

Commands for selecting operating parameters

Command	Brief description
GET	Displays the feasible values for operating parameters.

Commands for modifying preset operating parameters

Command	Brief description
SET	Allows variation of operation parameters

Command	Output in the terminal program
GET [LIST / id: (VAL/MIN/MAX/STD)]↵	Displays details to feasible values. It is possible to get the same parameters as with the commands VALUES, LIMITS and STDVALUE. With GET LIST you can get the numbers of the single parameters: SFC›GET LIST↵ ID: 018, 'switch on voltage @ 12 V', 'mV' ID: 019, 'switch off voltage @ 12 V', 'mV' ID: 020, 'switch off current @ 12 V', 'mA' ID: 021, 'switch on voltage @ 24 V', 'mV' ID: 022, 'switch off voltage @ 24 V', 'mV' ID: 023, 'switch off current @ 24 V', 'mA' ID: 017, 'reaction time', 's' ID: 016, 'maximum output energy', 'Wh' ID: 024, 'altitude up to', 'm' ID: 045, 'full charge duration', 'min' ID: 046, 'battery protection @ 12 V', 'mV' ID: 047, 'battery protection @ 24 V', 'mV' SFC›GET "ID":(VAL/MIN/MAX/STD) ↵ With the particular ID-number it is possible to get the current value [VAL], the minimum value [MIN], the maximum value [MAX] and the standard value [STD] of a parameter. If there is no parameter behind the ID, the current value will be displayed.
	For example: SFC› GET 018:VAL↵ or GET 018↵ Displays the current value of the parameter 'switch on voltage @ 12V' in mV. SFC›GET 018:STD↵ Displays the standard value of the parameter 'switch on voltage @ 12V' in mV. SFC›GET 018:MIN↵ Displays the minimum value of the parameter 'switch on voltage @ 12V' in mV. SFC›GET 018:MAX↵ Displays the maximum value of the parameter'switch on voltage @ 12V' in mV.

Command	Output in the terminal program
SET id:value (MIN/MAX/STD)]↵	The command 'SET id:value' changes the value of a parameters. With this command it is possible to set up the same values as with CONFIG and DEFAULT. The list of parameters (ID-number) can be requested with the command SFC›GET LIST↵. For example: SFC›SET 018:12000↵ Sets the parameter 'switch on voltage @ 12V' to 12000 mV. SFC›SET 018:STD↵ Sets the parameter 'switch on voltage @ 12V' to the standard value 12300 mV. SFC›SET 018:MIN↵ Sets the parameter 'switch on voltage @ 12V' to the feasible minimum value 11000 mV. SFC›SET 018:MAX↵ Sets the parameter 'switch on voltage @ 12V' to the feasible maximum value 13000 mV.

Operating parameter 12 V	ID	Factory setting	Min.	Max.	Actual value
Switch-on voltage	018	12300 mV	11000 mV	13000 mV	
Switch-off voltage	019	14200 mV	13500 mV	14600 mV	
Switch-off current	020	2000 mA (4000 mA EFOY Pro 2200)	1000 mA (4000 mA EFOY Pro 2200)	10000 mA	
Reaction time	017	10 s	2 s	300 s	
Maximum output energy	016	Depends on EFOY Pro type	Depends on EFOY Pro type	Depends on EFOY Pro type	
Full charge duration	045	180 min	0 min	300 min	
Battery protection	046	11200 mV	10500 mV	12000 mV	

Operating parameter 24 V	ID	Factory setting	Min.	Max.	Actual value
Switch-on voltage	021	24600 mV	22000 mV	26000 mV	
Switch-off voltage	022	28200 mV	27000 mV	29400 mV	
Switch-off current	023	1000 mA (2000 mA EFOY Pro 2200)	1000 mA (2000 mA EFOY Pro 2200)	5000 mA	
Reaction time	017	10 s	2 s	300 s	
Energy maximum output energy	016	Depends on EFOY Pro type	Depends on EFOY Pro type	Depends on EFOY Pro type	
Full charge duration	045	180 min	0 min	300 min	
Battery protection	047	22400 mV	21000 mV	24000 mV	