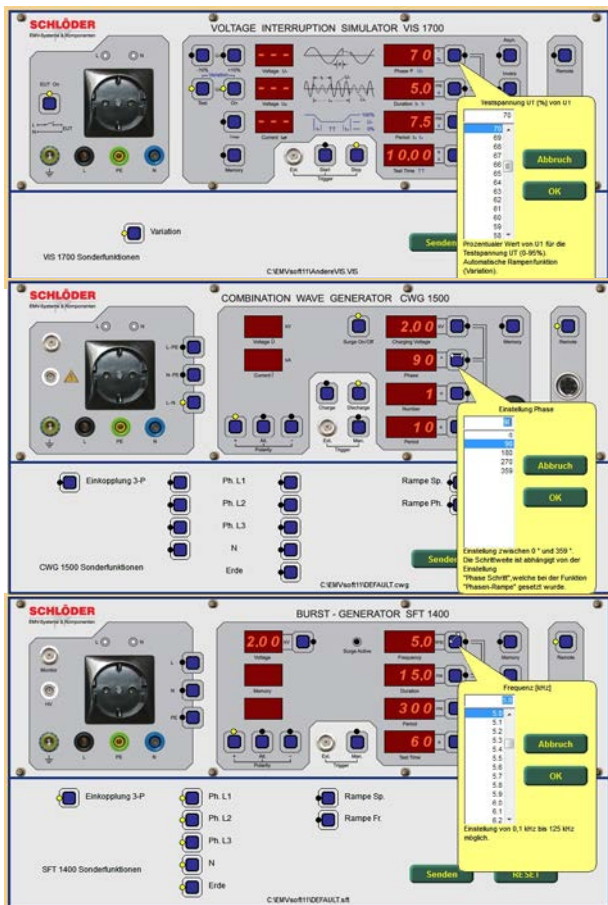


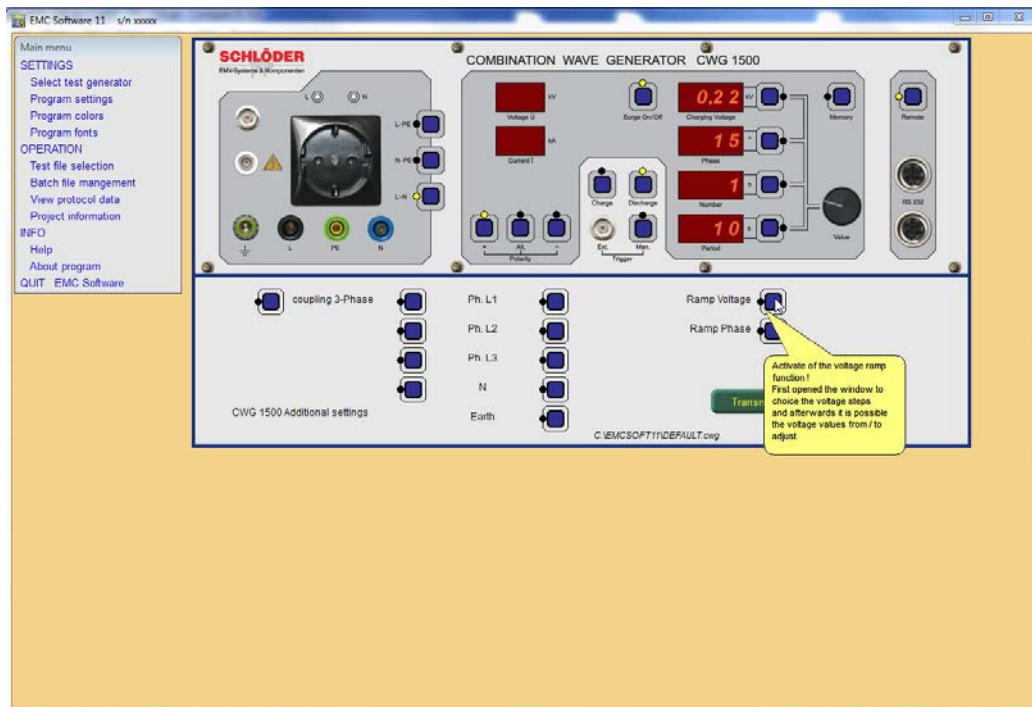
Software for operation EMC - test generators (Schlöder generators)



EMC-Soft 11

The Microsoft-Windows (WIN98 /XP /2k /7) based software EMV-SOFT controls the Schlöder test generators via one interface cable. The "EMV-SOFT" includes the interface cable. The program EMV-SOFT controls the generators for BURST, SURGE, incl. 3 Phase coupling network and the Voltage interruption simulator (VIS). For a USB connection you need a USB-RS232 converter. For this purpose in the software COM port until 9 can be selected.

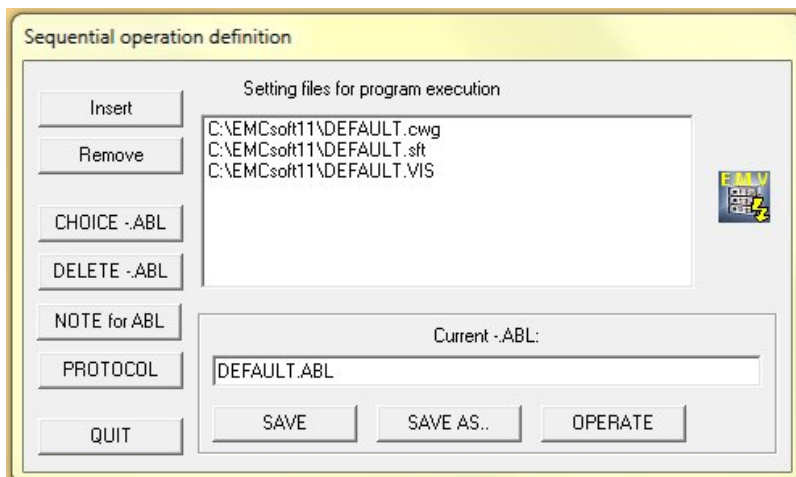
All parameters which you can adjust directly at the test generators can be handled also with the software. Additionally you have the possibility to create ramp functions and device-specific test functions. With the sequential test-editor you can add several single programs to one multi test file to create complex test programs.



Overview to the software

- **Device-specific sequence controls.**

With the sequential test-editor you can add several single programs to one multi test file to create complex test programs. Create sequential files (batch test) by combining setting files.



- **Tests with ramp functions.**

Additionally you have the possibility to create ramp functions and device-specific test functions. Allows testing with ramp function of the voltage, phase, frequency or time, dependent of used generator.

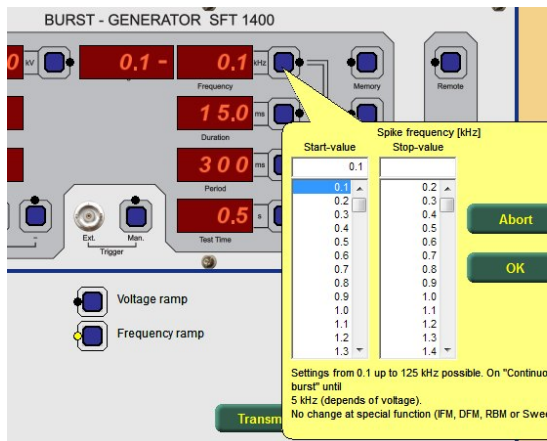
SFT 1400 /1420



CWG 1500



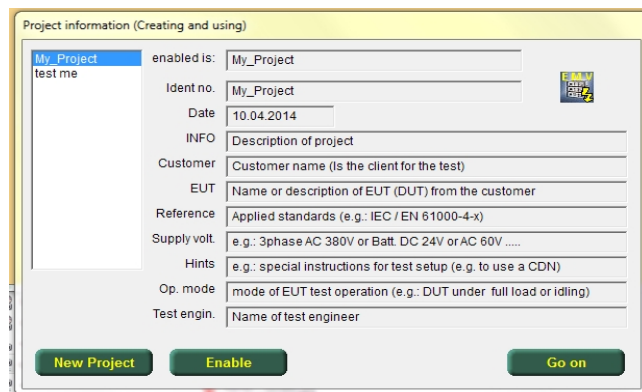
VIS 1700



After activating of a SFT ramp (either the voltages or frequencies value) the selection field is divided into two parts. So the start and the end of the ramp can be selected easily.

- **A built in Project Information Editor.**

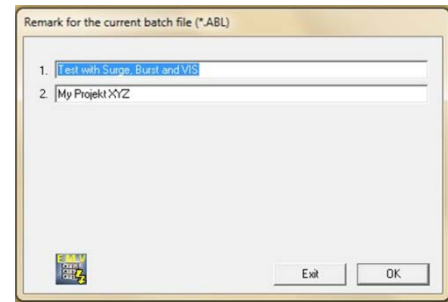
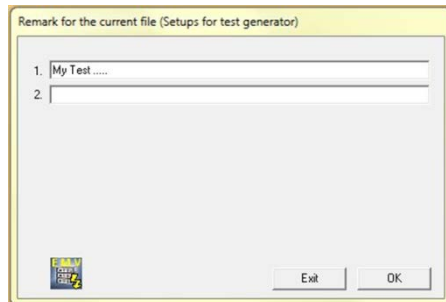
An integrated Editor for project information allows to create and store individual headlines for your test logs.



The current project information is displayed each time you start the software (can disabled)

- **Separate note fields for program control files.**

Memo fields for parameter files and sequential files will help you in the assignment regarding the use.



- **Operation under real devices-views.**

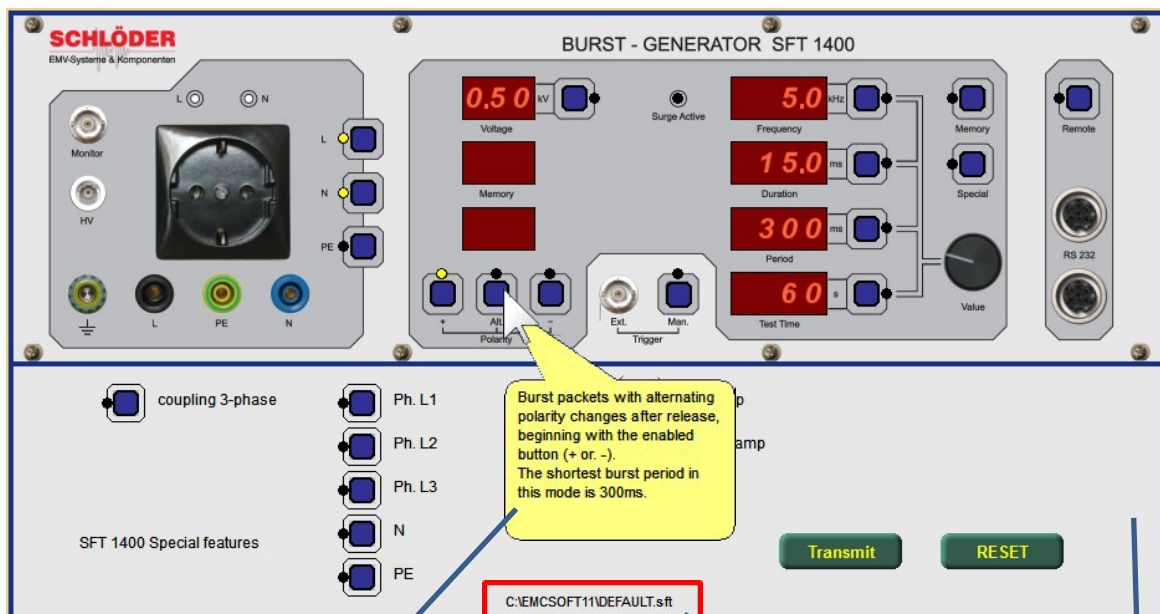
In the generator view you find the setup for all parameters that are transferred to the test generator. All values can be chosen easily with the mouse. It is checked automatically if the values are within the allowed maximum parameters of the test generator.

Like a real generator, all parameter can be defined as described in the generator manual.

The demo mode allowed an overview about the generator function - without connected test generators.

Panel for special functions of each generator is automatically adjusted.

Helpful in this case is the declaration of the function keys as soon as your mouse passes over it.



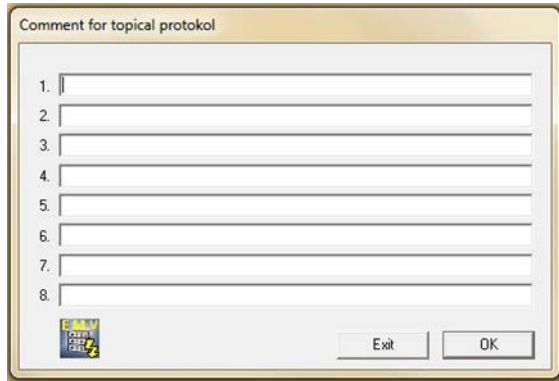
If you move the mouse cursor over the button's in the setup picture, you get information to the function.

Shows the topical set up file

Field for additional settings e.g. 3 phase coupling network and choice for ramp functions

- **Comment on test processes.**

Always if a current test is finished or interrupted, it is possible to write a comment for the protocol.



- **Continuous recording of measured data and project information**

in separately managed text tables (CSV) files updated. This data is available for further processing for external programs (e.g. MS Access) is available.

Protocol text

EMV Software 11 **SCHLÖDER**
EMV-Systeme & Komponenten

Project ID: My_Project Added on: 10.04.2014

Project info: Description of project

Customer: Customer name (is the client for the test)

EUT: Name or description of EUT (DUT) from the customer

Description: Applied standards (e.g. IEC / EN 61000-4-x)

Supply voltage: e.g. 3phase AC 380V or Batt. DC 24V or AC 60V ...

Comments: e.g. special instructions for test setup (e.g. to use a CDN)

Operating mode: mode of EUT test operation (e.g. DUT under full load or idling)

Test engineer: Name of test engineer

Test definition: Surge Test nach EN 61004-5
Modifiziert für Lada

Test file: C:\EMCSOFT11\Datent\Ramo 0-225GradCVIG

Test: CVIG 1500 Part of Project-ID: My Project

Test at: 23.04.2014 11:47:38

Priority: +

Voltage ramp [V]: 1800 ->: 2200 STO Pch: 2200

Voltage step: 200

Coupling / phase: LI-N

Peak voltage [V]: 1250 1250 1250

Peak current [A]: 325 325 325

Limit peak current [A]: 2000

Periodic time [s]: 10 unchanged

Ramp mode: Voltage change [V]

Test status: Ramp ends

Test comment: Ramp fertig

Test definition: Surge Test nach EN 61004-5
Modifiziert für Lada

Test file: C:\EMCSOFT11\Datent\Ramo 0-225GradCVIG

Test: CVIG 1500 Part of Project-ID: My Project

Test at: 23.04.2014 11:51:29

Priority: +

Voltage ramp [V]: 1800 ->: 2200 STO Pch: 2200

Voltage step: 200

Coupling / phase: LI-N

Peak voltage [V]: 1250 1250 1250

Peak current [A]: 325 325 325

Limit peak current [A]: 2000

Periodic time [s]: 10 unchanged

Ramp mode: Voltage change [V]

Test status: Ramp ends

Drucktag: 10. Juni 2014 Seite 1 von 2

Protocol list

Protocol information **SCHLÖDER**
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Comments: e.g. special instructions for test setup (e.g. to use a CDN)

Operating mode: mode of EUT test operation (e.g. DUT under full load or idling)

Test engineer: Name of test engineer

ID set no.	pulse trig.	test voltage [V]	phase angle [deg]	test perio [sec]	test coupl.	peak voltage [V]	peak current [A]	Test status	Test comment
1	+	1400	45	10	LI-PE	1360	70	I.O.	
2	+	1400	45	10	LI-PE	1360	80		
1	+	1510	90	10	LI-N	1060	170	I.O.	
2	+	1510	90	10	LI-N	1060	170		

4 Zellen bis Ablaufende

Testbeginn: 11.03.2015 16:30:05
Prüfgenerator: CWG 1500

ID set no.	pulse trig.	test voltage [V]	phase angle [deg]	test perio [sec]	test coupl.	peak voltage [V]	peak current [A]	Test status	Test comment
1	+	1000	15	10	LI-N	1000	10		

1 Zellen bis Ablaufende

Testbeginn: 12.03.2015 08:26:21
Prüfgenerator: CWG 1500

ID set no.	pulse trig.	test voltage [V]	phase angle [deg]	test perio [sec]	test coupl.	peak voltage [V]	peak current [A]	Test status	Test comment
0	+	200	0	10	LI-L3	Brsk			
0	+	200	0	10	LI-L5	Brsk			
1	+	220	15	10	LI-N	1250	525		

3 Zellen bis Ablaufende

Testbeginn: 22.04.2015 10:54:28
Prüfgenerator: CWG 1500

report from: 13.05.2015 site 1 from 2