

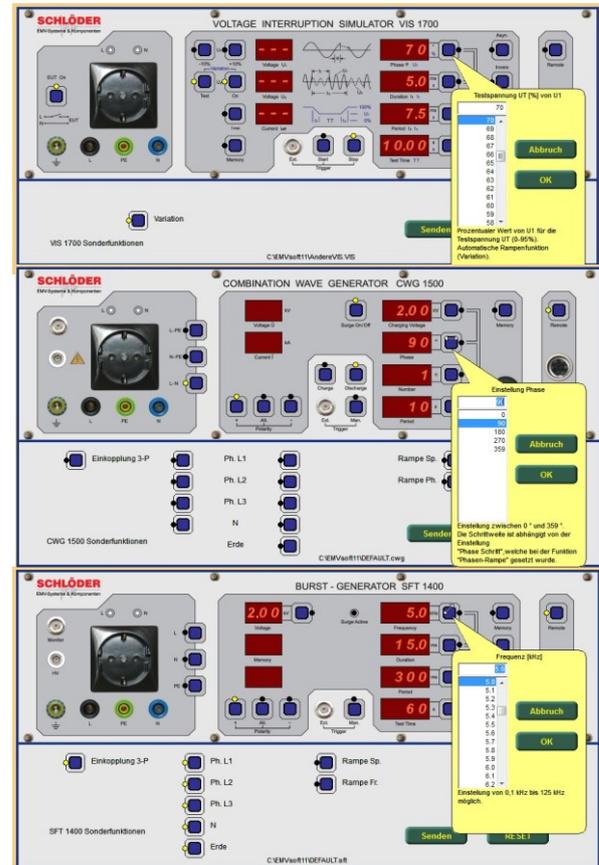
EMC Soft 11

Control software for EMC test equipment

For EMC devices - Schlöder generators

- Operation of the EMC test equipment from the PC: e.g. burst, surge, 3-phase coupling network, simulator for mains interruption
- Connection via serial interface or USB port (USB-RS232 converter)
- System requirements:
 - Microsoft® Windows® (7 / 8 / 10)
- Up to 16 selectable COM ports available
- All parameters of the devices remotely controllable
- Complex test sequences possible

Automation of test sequences possible!



Overview



The program EMC-SOFT allows to operate the Schlöder interference generators from a PC via a serial interface or USB port (USB-RS232 converter). For this purpose, up to 9 selectable COM ports are available in the software.

The program, which runs under Microsoft® Windows® (7 / 8 / 10), works with the current SCHLÖDER generators such as BURST, SURGE, including 3-phase coupling networks and the simulator for mains interruption. The required serial interface cables are supplied for the respective devices.

With the EMC-SOFT all parameters, which can also be set directly on the generator, can be remote controlled. In addition, the EMC-SOFT allows to define ramp functions and device-specific sequence controls.



EMC Soft 11

Control software for EMC test equipment

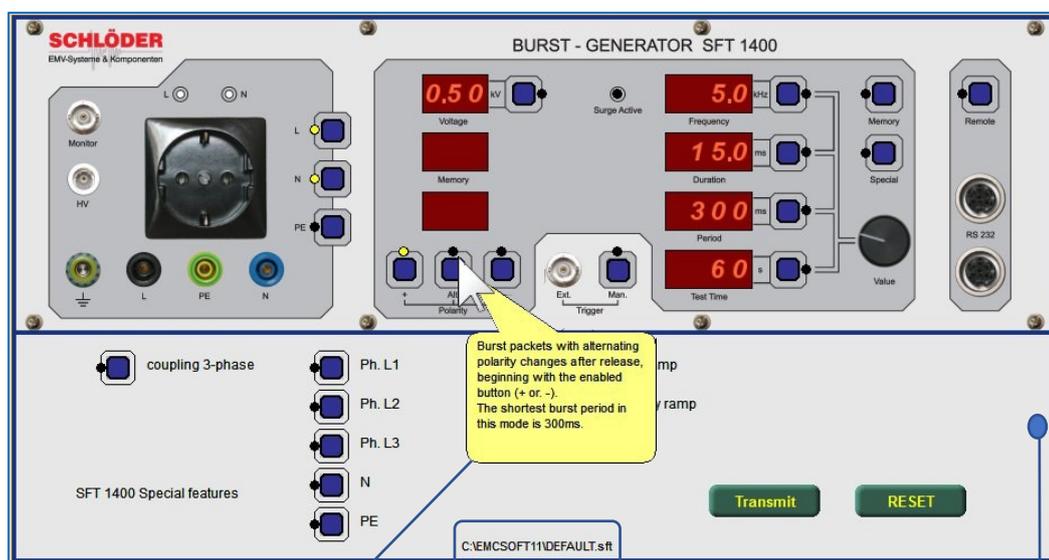
Overview software

- Operation with device views **SFT 1400 / CWG 1500 and VIS 1700** as well as **SFT 2400 and CWG 2500** (display as SFT 1400 and CWG 1500)

In the generator display you will find the configuration of all parameters that can be transferred to the respective test generator. All values can be easily selected with the mouse. It is automatically checked whether the values are within the permissible maximum parameters of the test generator.

As with the real generator, all parameters can be defined as described in the respective user manual.

In DEMO mode, all device functions can thus also be learned – without connected test devices. The control panel for special functions of the respective generator is automatically adapted. The explanations of the key function are helpful as soon as you move the mouse pointer over it.



If you move the mouse cursor over the keys of the device views, you will get corresponding information about the functions.

The currently used settings file is displayed here.

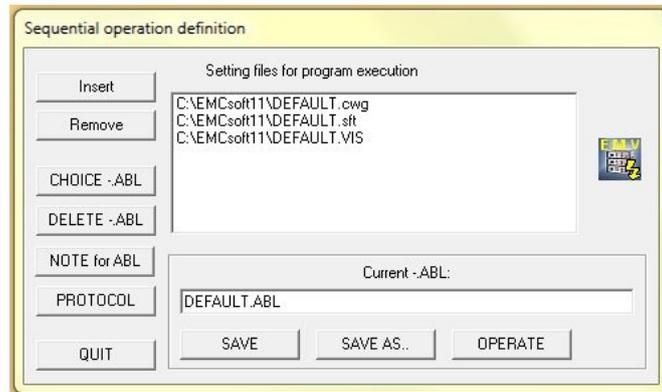
Additional field for the control of a 3-ph. coupling network and the selection of ramp functions.

EMC Soft 11

Control software for EMC test equipment

- **Device-specific sequence controls**

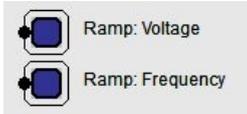
With the help of the sequence control, several individual programs, also from different disturbance generators, can be arranged in series to form complex test sequences.



- **Tests with ramp function**

Possible for voltage, phase angle, frequency or times depending on the test generator / simulator used.

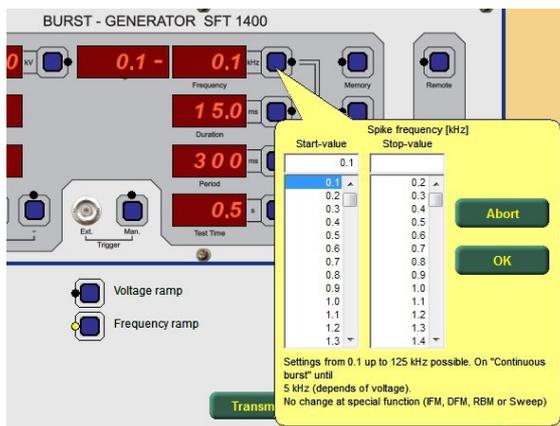
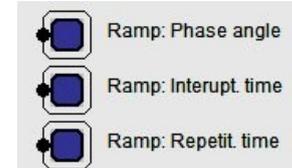
SFT 1400/2400 /1420



CWG 1500/2500



VIS 1700



Depending on the selection, either the voltage or the frequency selection is divided into two sections after a ramp is activated. Thus, the start and end parameters can be conveniently set.



EMC Soft 11

Control software for EMC test equipment

- **Integrated project information editor**

This enables the creation of individual header texts for the test protocols.

Project information (Creating and using)

My_Project test me	enabled is:	My_Project
	Ident no.:	My_Project
	Date:	10.04.2014
	INFO:	Description of project
	Customer:	Customer name (Is the client for the test)
	EUT:	Name or description of EUT (DUT) from the customer
	Reference:	Applied standards (e.g.: IEC / EN 61000-4-x)
	Supply volt.:	e.g.: 3phase AC 380V or Batt. DC 24V or AC 60V
	Hints:	e.g.: special instructions for test setup (e.g. to use a CDN)
	Op. mode:	mode of EUT test operation (e.g.: DUT under full load or idling)
	Test engin.:	Name of test engineer

New Project Enable Go on

Show project ID

The following project is currently active!
(Call For Change "Project Manager")

==> : My_Project

OK

The current project information is displayed every time the software is started (can be switched off).

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

With this, the respective files for the device settings, or for the sequence controls can be described in more detail.

Remark for the current file (Setup for test generator)

1. My Test
- 2.

Exit OK

Remark for the current batch file (*.ABL)

1. Test with Surge, Burst and Vis
2. My Projekt XYZ

Exit OK

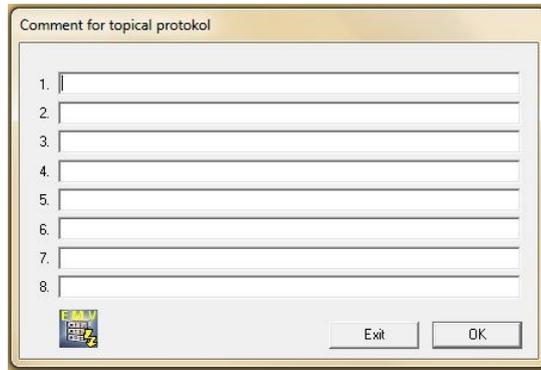


EMC Soft 11

Control software for EMC test equipment

- Comment on test operations**

Whenever a current test is finished or interrupted, it is possible to enter a comment for the log.



- Continuous recording of measurement data and project information**

Separately managed in text tables (CSV files). These data are available for further processing for external programs (e.g. MS ACCESS).

Protocol text

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

Project ID: My_Project Added on: 10.04.2014

Project info: Description of a project

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

EUT: Name and 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 Bat. 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\Daten\Ramo_0-225Grad.CWIG

Test: CWIG 1500 Part of Project ID: MW Project

Test at: 23.04.2014 11:47:38

Polarity: +

Voltage ramp [V]: 1800 --> 2000 STO Pol: 2200

Voltage step: 200

Coupling 1-phase: L1-N

Peak voltage [V]: 1250 1250 1250

Peak current [A]: 325 325 325

Limit peak current [A]: 2000

Period 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\Daten\Ramo_0-225Grad.CWIG

Test: CWIG 1500 Part of Project ID: MW Project

Test at: 23.04.2014 11:51:29

Polarity: +

Voltage ramp [V]: 1800 --> 2000 STO Pol: 2200

Voltage step: 200

Coupling 1-phase: L1-N

Peak voltage [V]: 1250 1250 1250

Peak current [A]: 325 325 325

Limit peak current [A]: 2000

Period time [s]: 10 unchanged

Ramp mode: Voltage change [V]

Test status: Ramp ends

Dienstag, 10. Juni 2014 Seite 1 von 2

Protocol list

Protocol information
for CWG emc test **SCHLÖDER**
EMV-Systeme & Komponenten

Project info: Description of project Project ID: My_Project

Customer: Customer name (is the client for the test) Added on: 10.04.2014

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 Bat. 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

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	+	1800	45	10	L1-N	1260	70		I.O.
2	+	1800	45	10	L1-N	1260	60		
1	+	1510	90	10	L1-N	1060	170		I.O.
2	+	1510	90	10	L1-N	1060	170		
4 Zeilen 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
1	+	1000	15	10	L1-N	1000	10		
1 Zeilen bis Ablaufende									

Testbeginn: 22.04.2015 10:54:28
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	L1-3	Break			
0	+	200	0	10	L1-3	Break			
1	+	110	15	10	L1-N	1250	325		
3 Zeilen bis Ablaufende									

report from: 13.05.2015 site 1 from 2

All information regarding appearance and technical data correspond to the current state of development at the time of release of this data sheet. We reserve the right to make technical changes. 082107

