

Advanced testing according to EMC standards with REGATRON's technologically advanced, modular Grid Simulator TC.ACS, 30kVA up to MVA range

Ready-to-use IEC test sequences which are available in REGATRON's full 4-Quadrant, modular AC Power Sources / Grid Simulators of the series TC.ACS.



Already at their noteworthy launch in 2013, the versatile, powerful and easy scalable grid simulators **REGATRON TC.ACS** offered almost unlimited possibilities for the simulation of grid conditions and grid disturbances. Easy programming of curve shapes as well as entire waveform sequences and stimulus signals were already standard at that time.

In the meantime, a specialized team of REGATRON development and field application engineers has extended the functionality of the famous 'ACSControl' application software with fully automated electrical test sequences according to:

- EN / IEC 61000-4-11 Electromagnetic compatibility; Voltage dips, short interruptions  $\leq 16A$
- EN / IEC 61000-4-13 Electromagnetic compatibility; Harmonics and inter-harmonics
- EN / IEC 61000-4-27 Electromagnetic compatibility; Immunity, unbalance
- EN / IEC 61000-4-34 Electromagnetic compatibility; Voltage dips, short interruptions  $> 16A$

Select the desired standard and the applicable class or parent standard and replay all needed waveforms and stimulus signals automatically!

All test steps can be monitored within the preview window and/or with the sequence tracer. A report generator enables the automatic documentation of the test steps performed.

### **Customer Benefits**

- Operators save a lot of time by running completely pre-programmed test sequences
- Fast control response and accurate sensing provide stable operation and meaningful test results
- Taking advantage of the benefits of immediate documentation of test results
- Test engineers receive a detailed sequence documentation
- With a complete EMC test system from REGATRON, consisting of a TC.ACS grid simulator in combination with a well-proven power analyzer, devices under test can also be tested and documented according to the following standards:
- 61000-3-2
- 61000-3-3
- 61000-3-11
- 61000-3-12

### **REGATRON 4-Quadrant AC Power Sources**

- Precisely engineered and technologically advanced
- Modular and easy scalable
- Operating software, data logger, powerful application software
- Worldwide recognized for high quality and reliability