CONTROL SOFTWARE FOR DC POWER SUPPLIES

Control software pe3910

plating electronic
we care for power

The control software pe3910   was especially developed to control rectifiers of the POWER STATION series via computer. A RS485 bus or ETHERNET interface *) is used for communication. By the use of a comfortable item management and item database, a reproducible process cycle is ensured. Each process can consist of up to 99 periods such as DC-periods, ramp periods, step periods and switch-off periods. The software is available in three versions that have different function volumes: Basic, Standard and Full version.

*) Just one IP address supported; use a gateway to control several rectifiers via ETHERNET!
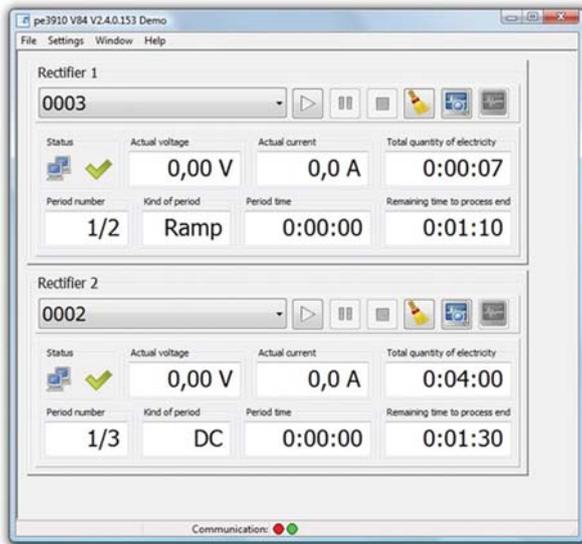

Operating window of the control software pe3910

Function	Basic version	Standard version	Full version
Max. amount of DC Power Supplies to be controlled	1	9	9
Pole changer control	√	√	√
Rectifier status display	√	√	√
Current monitoring	√	√	√
Item database	√	√	√
Item Import / Export	√	√	√
Item print function	√	√	√
DC-periods	√	√	√
Ramp periods	●	√	√
Step-periods	●	√	√
Switch-off periods	●	√	√
Max. periods per item	99	99	99
Graphic item preview	●	√	√
Real-time oscilloscope function	●	√	√
Data logging of process data	●	√	√
User administration	●	●	√
„Live Entry" function	●	●	√
Bar code reader supported	√	√	√

Functions:

Screen languages:	English, German
Amount of rectifiers to be controlled:	1 – 9
Operating display:	Actual values, process status, charge size, period No. period type, period time (duration), remaining time until end of process

Item database with import / export and print function

Period types:	DC, rame, steps, switch-off steps

Max. amount of preiods per item: 99

Graphic preview of items (curve shape)

Real-time oscilloscope function during process

Control of pole changer supported

Current monitoring (monitoring of the I–act. value))

Bar code reader supported for easy read-in of pre-defined item data

Adjustable data logging for process data, in steps of 1 sec.

Graphic view of logged process data

Access to protocol database via ODBC (e.g. MICROSOFT ACCESS)

Comfortable user administration with individualized access to process data (create data, edit data, delete data etc.)

System requirements

CD-ROM drive or internet access

Operating system:	Windows XP, Vista, 7
Serial interface:	RS232/RS485

Screen resolution (computer monitor): at least 1024 x 768

Keyboard and mouse / touchpad

Example screenshots

Process monitoring, curve shape control during programming
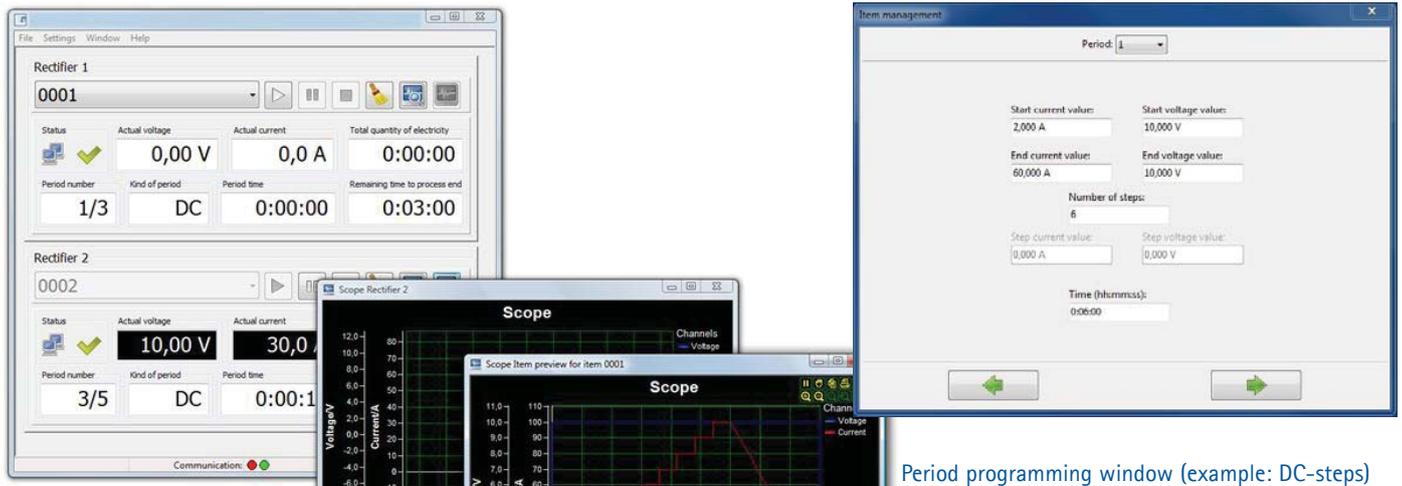
Period programming window (example: DC-steps)
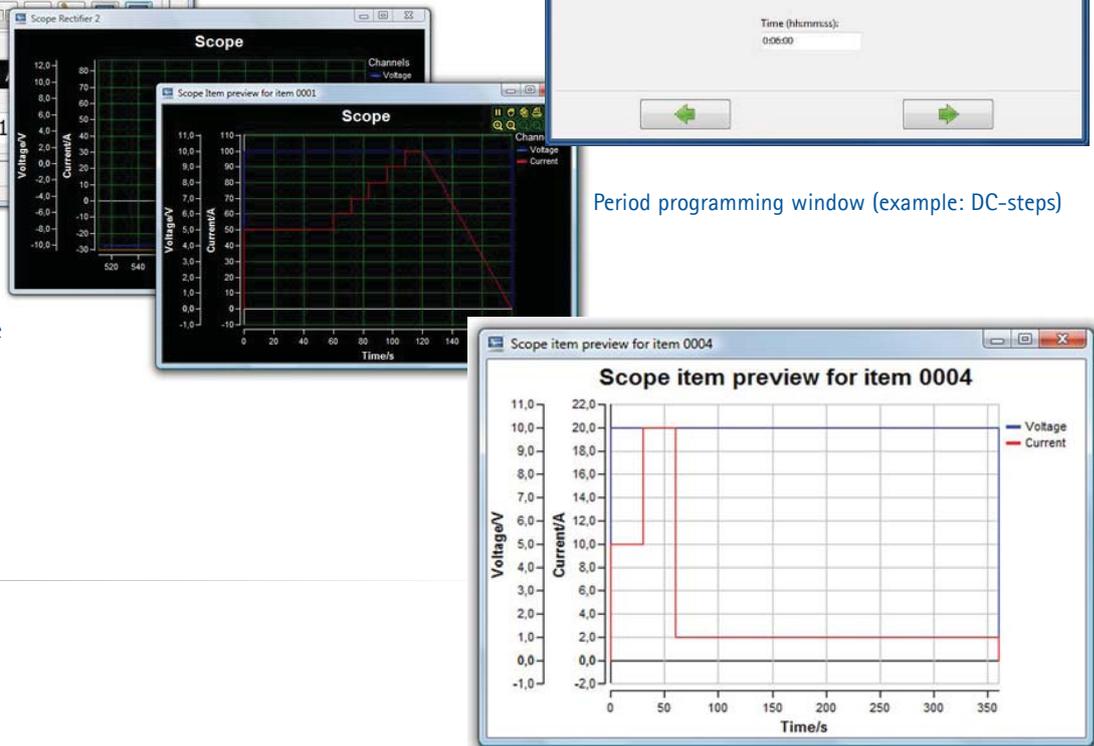
Print view of graphic window

PC with pe3910 Software

TCP/IP
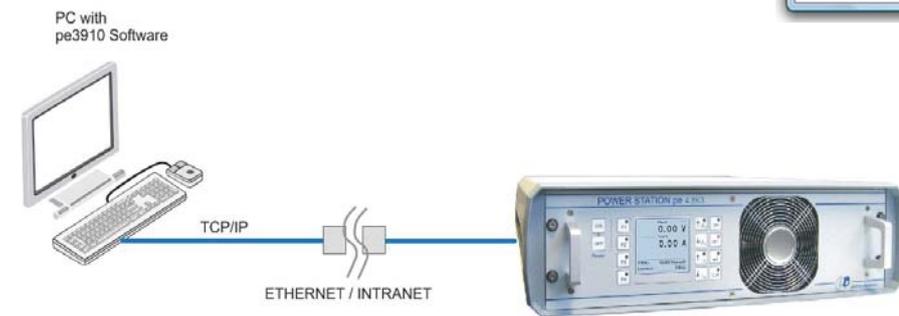
ETHERNET / INTRANET

Example: DC power supply with integrated control panel and Ethernet interface

PC with pe3910 software

RS232

Converter pe527 RS232 to RS485

RS485

POWER STATION pe3000-2-B
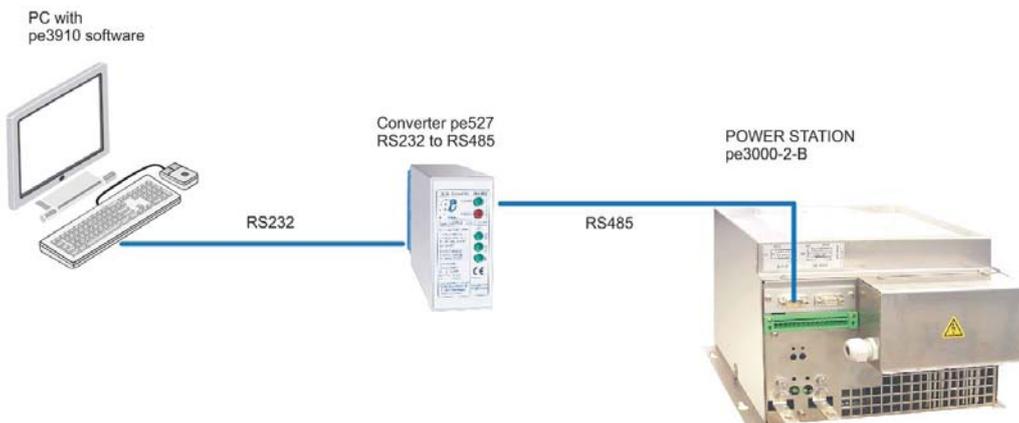
Example: DC power supply with RS485 interface