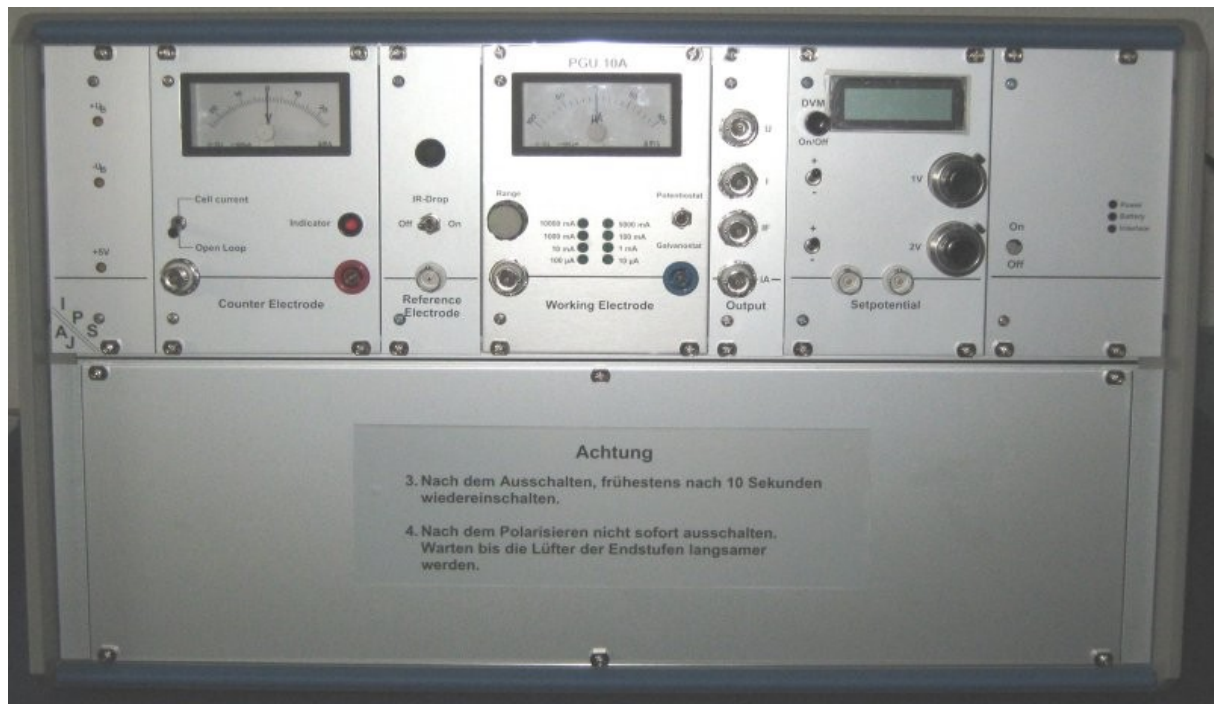


Datasheet PGU 10V-10A

As part of a research project in 2002, we developed our new **PGU-series**. The aim of this development was to standardize the previous models of the IMP-series and the 1000 series in order to build them modular and flexible as well as to equip them with some additional features. Thereby we did not want to waive the tried, like the manual operation. Thus, the recent circuits were expanded with the function of automatic measuring range switching. In addition, the devices have been designed so that they can be equipped with an interface for the computer control.

The device design is very flexible and offers the possibility to build different types out of a base device.

Thereby the **PGU 10V-10A** comes within the group of high-performance devices. Through the use of new amplifier modules, the device can be easily expanded up to an output voltage of $\pm 48V$. Even the polarization voltage can be expanded up to $\pm 40V$. In addition, the new amplifiers have a high rise rate / speed so that even at higher currents rapid pulse sequences can be programmed. This is especially at applications in the galvanic area (Pulsplating) very much in demand.



Data overview:

- Potentiostat, galvanostat
- Manual operation
- Control in- and outputs for external control
- fully automatic operation with built-in interface
- Mains operation, 115V / 230V

Details:

Modulation:	$\pm 12V / \pm 1A$
Polarization range:	$\pm 10V$ potentiostat / $\pm 10A$ galvanostat
Current ranges:	8 ranges from 10A to 1mA
Resolution:	1mA = 10000mV in the 1mA range, 100nA = 1mV
Input resistance RE:	$10^{13}\Omega$
Measurement outputs:	Potential, current, current with 40Hz filter, current with x10 amplifier
Inputs:	2 BNC connectors for external nominal potential