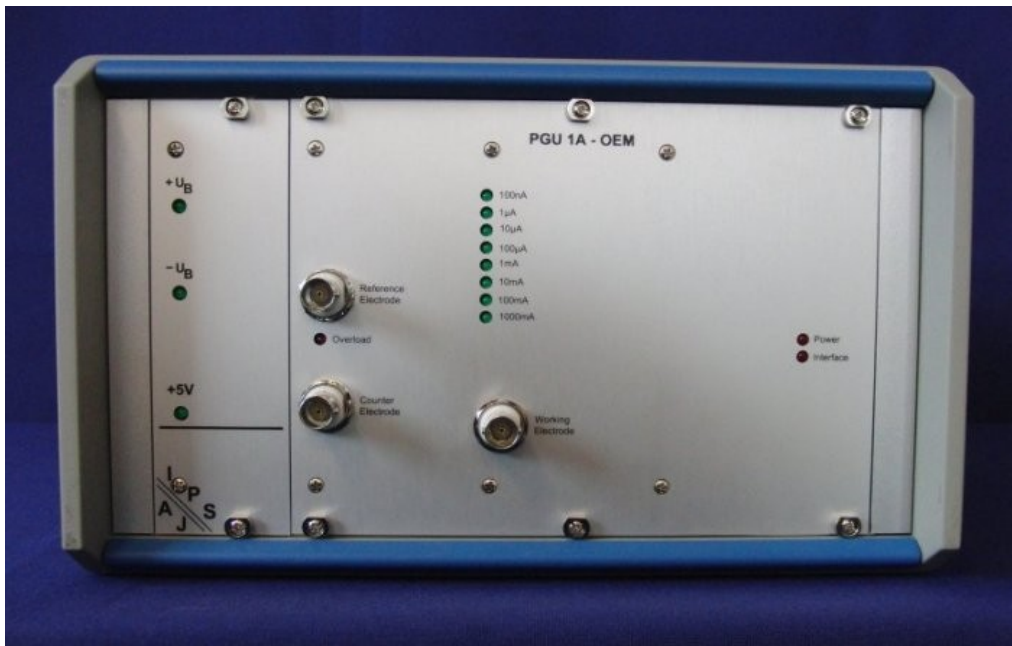


Datasheet PGU-1A-OEM

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 manually 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.



The **PGU-1A-OEM** corresponds to the PGU 10V-1A-E, however as a purely computer controlled device. Therewith a manual operation is not possible. The device is accordingly cheaper and it is intended primarily for OEM solutions whereby the client creates own applications and uses merely the communication routines of the interface. Depending on the requirements, the device is mounted in a rack so that it fits directly into a cabinet.

Data overview:

- Potentiostat, galvanostat
- Automatic operation
- Built-in interface, communication via RS232 or Ethernet
- Mains operation, 115V / 230V

Details:

Modulation:	$\pm 12V / \pm 1A$
Polarization range:	$\pm 10V$ potentiostat / $\pm 1A$ galvanostat
Current ranges:	8 ranges from 1A to 100nA
Resolution:	100nA = 10000mV in the 100nA range, 10pA = 1mV
Input resistance RE:	$10^{13}\Omega$
Measurement outputs:	none
Inputs:	none