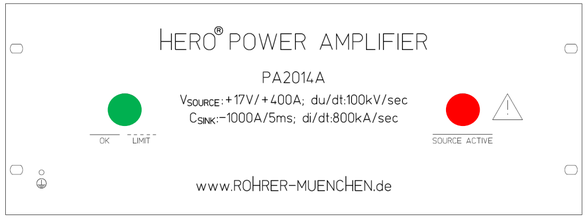
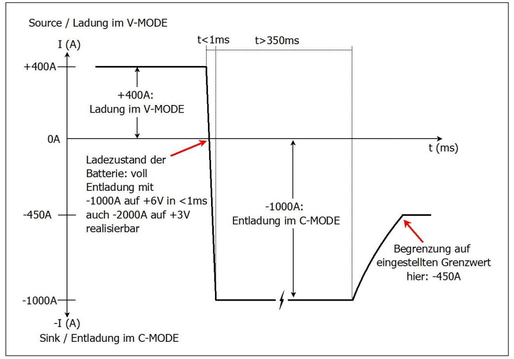
HERO® POWER

Dynamiktest von Batterien





Potentialverhältnisse:

- Eingänge, Monitore und Ausgang haben ein gemeinsames Bezugspotential
- Eingang DC gekoppelt
- **Achtung!**
  Verstärker <STOP> = automatisch C-0 Betrieb
  Im C-0 Betrieb stellt sich die Ausgangsspannung automatisch auf die anliegende Batteriespannung ein, sodass keine (außer der Selbstentladung) Entladung durch den Verstärker stattfindet.

HERO® POWER

ROHRER®
- power electronic
- signal processing
- customized solutions

T303B – Outstanding Isolation Amplifier

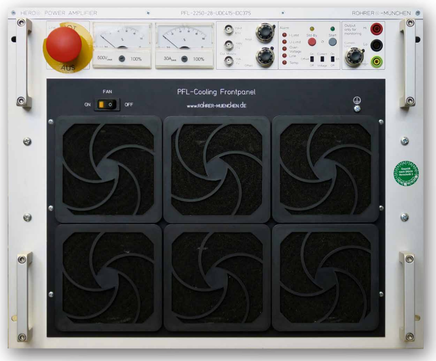
<0,1% accuracy
18 ranges up to ±5 kV (common mode up to 3 kV)

Application examples:

- Contact behaviour of high power contactors
- ±200 mV range withstands ±1000 V

PFL2250-28-UDC415-IDC375 – with Cooling Panel

Our chameleon among all power amplifiers



Features:

- Mains simulation 45 kVA by paralleling
- ±400 V / ±24 A / DC-160 kHz (full load); 400 kHz (partial load)
- V/C operation switchable
- Power dissipation AC operation continuous: 5 kVA with cooling panel
- Insensitive to inductive and capacitive loads

Typical applications:

- Power grid simulation with superfast dips or interruptions of µsec.
- Components tests

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HERO® POWER

SPECIAL ANALOG POWER AMPLIFIERS

ROHRER®
- power electronic
- signal processing
- customized solutions

Our latest system for battery and coil testing:
PAB-340VA-C200 – Bipolar Linear Regulated Amplifier

± 200 V / ± 200 A–DC to 1 kHz

- 4-Quadrant / Source - Sink operation
- Voltage / Current regulation
- 100 % power dissipation: 50 kW
- Lab View programmable 10 V function generator
- Output contactor for galvanic isolation (software controlled)

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power electronic
signal processing
customized solutions

HERO®POWER

Special Applications

- **Automotive Applications**
- **Network Simulations**
- **Material Investigations**

e.g. inductive components with cosY app. 0,0
Power: e.g. 50 kW, 800 A

- **Precision zero axis crossing**
- **Negligible residuals**
- **Linear regulated**
- **4-Quadrant power amplifiers**

Specifically used in

- Automotive applications
- Network simulations
- Material investigations
  e.g. inductive components with cosY 0.0x and 50 kW.
- Calibration of high precision current transformers
  e.g. > 500 A… DC > 100 kHz
- Puplic line simulation: Residuals to some 100 kHz, depending on your needs
- Simulation of high-voltage DC power transmissions over long distances
  e.g. off-shore to Southern Germany
- Space simulation
  Degaussing to create magnetic field free spaces
- Automotive
  Life tests of automotive components
- Power measurement on clocked drives
  e.g. 3 kVrms with cut-off peaks up to approx. 20 kV in the µsec range
- Power transformers (e.g. wind turbines) with cosy vs. 0

Demanding users

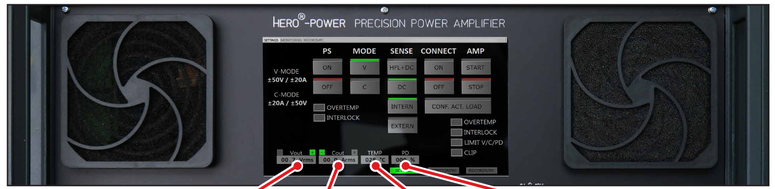
appreciate our flexibility, quality and reliability:

World renowned NIM institutions, such as:

- Argentina
- Mexico
- Netherlands
- Canada
- China
- South Africa
- Switzerland

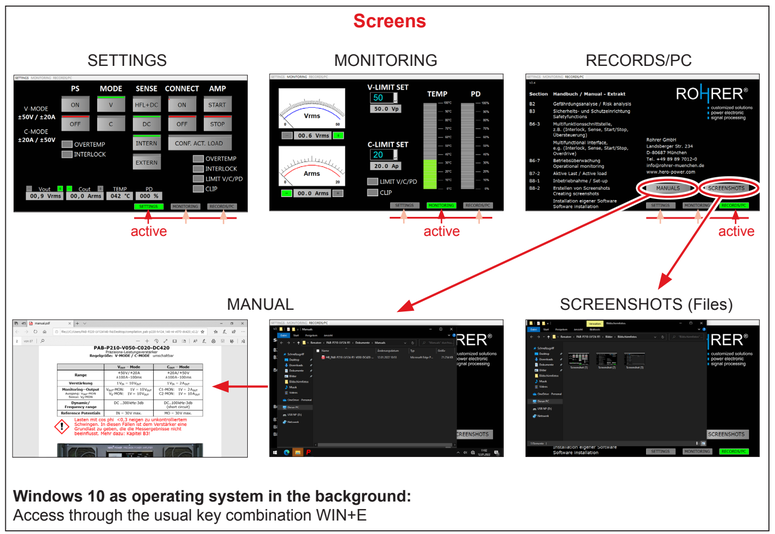
For more information please refer to our reference list.

Local/Remote Control Unit for our Power Amplifiers



Actual values for: Voltage | Current | Temperature | Power dissipation

Screens



Windows 10 as operating system in the background:
Access through the usual key combination WIN+E

Präzisions-Leistungsverstärker PA5000W | I_A - Regelung

Präzisions- Leistungsverstärker Typ PA5000W
I_A - Regelung

Ausgangswerte	Bereich R1	Bereich R2	Bereich R3
I_A – Betrieb	**±500A / ±5V**	**±500A / ±10V**	**±10A / ±10V**
Skalierung			
Aussteuerung	±1V U_{IN} = 50 A I_{OUT}	±1V U_{IN} = 50 A I_{OUT}	±1V U_{IN} = 1 A I_{OUT}
Dynamik	DC...1kHz-3db		
Monitore			
U - Monitor	1V=2V U_A		
I - Monitor	1V=100A I_A	1V=100A I_A	1V=1A I_A
Verlustleistung	5 kW dauernd; bei 6kW Begrenzung durch Zurückregelung der Aussteuerung		

Präzisionsverstärker zur Kalibrierung des Lade- und Entladevorgangs von Batterien

Potentialverhältnisse:

- Erdfreier Aufbau
- Additive BNC-Eingänge:
  1 x DC-gekoppelt, 1 x AC-gekoppelt
- alle Vorgaben werden addiert
  Achtung! Verstärker <OFF>
  Der Ausgang wird auf I_{OUT} = 0 A geregelt!
  Im Leerlauf kann die Ausgangsspannung auf ca. ±30 V ansteigen.
  Nachträge beachten!

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