



- High power amplifier
- AC/DC 4-quadrant amplifier
- DC – 20 kHz
- Output current max. 52A ± 100V
- High band width
- Several monitor outputs
- Integrated in 19" mobile cabinet
- Multiple protection features

Applications

Magnetic testing

Motor testing

Inductive loads

Automatic process control

Quality control

Incoming inspection

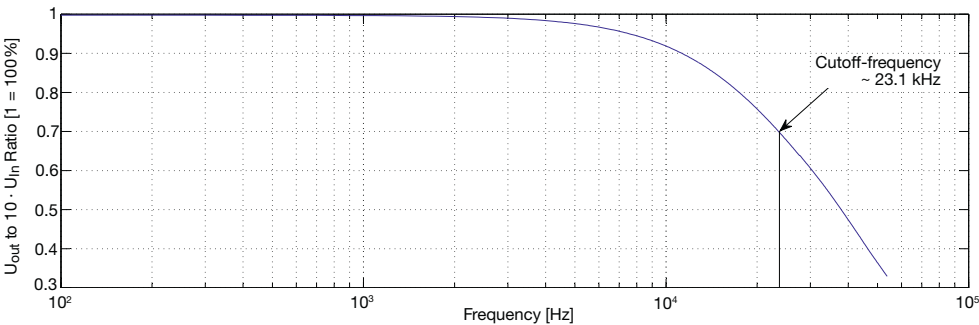
Research and development

Power Amplifier PA 100 Series

Applications

Specially designed for measuring and test equipment with inductive loads. Especially applicable for measuring equipment for magnetic properties in the frequency range between DC and 20 kHz. Applications in e.g. research and development, automatic process control, quality control and incoming inspection in the field of magnetic components, motor testing, inductive loads and others.

The AC/DC 4-quadrant amplifier works as an independent amplifier with integrated power supply and safety features. Modular system for different power ranges between 1.5 and 4 kVA.



User-friendly features

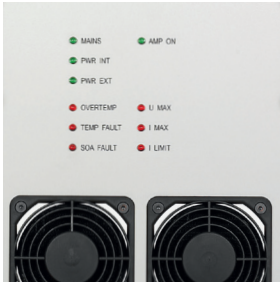
- Integrated in 19" mobile cabinet
- Several monitor outputs
- Container with lockable door at the back side for easy connection of cables
- Extensive safety and protection functions

Technical Data

Supply voltage	3 x 400V/N/PE 50 Hz (others available), max. 5.2 kVA
Input voltage	± 10 V AC/DC
Output voltage	± 100 V AC/DC
Load	Ohm resistive load & inductive (coils)
Output current	max. 52 A peak (modular construction) PA 100-13 (13A ± 100 V) PA 100-26 (26A ± 100 V) PA 100-40 (40A ± 100 V) PA 100-52 (52A ± 100 V)
Frequency range	DC – 20 kHz
Amplification factor	10 x
Digital control signal input	ext. ON/OFF
Digital control signal output	ready, current limit, over-current, temperature rise, excess voltage
Control output	monitor/oszilloscope output for current, voltage & temp.
Security and protection functions	FI, EMV-filter, emergency stop, automatic fuse, excess voltage and over-current limit, short-circuit-proof, adjustable over-current display
Cooling	Microprocessor controlled air cooling system
Dimensions of container	900x550x680 mm, weight: 120 kg



Front view



Status LEDs



Rear view with open back door

Standards:

- EC Directives 2004/108/EG
- 2006/95/EG
- EN 61000-6 :2001
- EN 55011 :2007
- EN 61000-3-3 :1995
- EN 61000-6-1 :2001
- EN 61000-3-2 :2006

Measuring Technology for
Hard and Soft Magnetic Materials

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