

Amsterdam, The Netherlands  
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## Falco Systems introduces compact all-round high voltage amplifier

[Falco Systems](#) introduces a new, compact and all-round high voltage amplifier for laboratory use: the [WMA-100](#). It offers a wide range output voltage ( $\pm 175\text{V}$ ), DC offset control, and impressive bandwidth (DC-500kHz) and noise (350  $\mu\text{Vrms}$ ) specifications. This new amplifier generates no overshoot with any capacitive load. Combined with its modest price and small form factor, it is the ideal choice for any experiment that requires a high quality and reliable high voltage amplifier.



### Specifications

- 20x amplification up to +175V and -175V output voltage (with respect to ground)
- DC to 500kHz at (-3dB) large signal bandwidth and 100 mA output current
- Very low noise at ~350  $\mu\text{Vrms}$ ; even lower when capacitive loads are driven
- No overshoot with capacitive loads; bandwidth changes automatically to ensure stability
- Short-circuit protected output
- Adjustable DC offset control knob
- Available from stock, in a 230V and 115V version

### Applications

Typical applications include the use of the WMA-100 amplifier as a high speed, low noise piezo driver, an amplifier for actuating MEMS devices, or for steering EO-modulators. It can also be used as a stand-alone low noise high voltage power supply.

### Falco Systems

Falco Systems (est. 2006) designs and manufactures technology leading high voltage amplifiers for company R&D departments, research institutes and universities worldwide. These amplifiers are used in precision engineering, electronics, physics, optics, chemistry, (aero-)space engineering and metrology and control. In addition, Falco Systems supplies its amplifiers as sub-modules to other OEMs. For more information, visit [www.falco-systems.com](http://www.falco-systems.com)

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