

## Product Spotlight – 7224 Amplifier from AE Techron

The new AE Techron amplifier model 7224 is a high-precision industrial amplifier with a bandwidth of DC – 300kHz. With High Power and a Fast Slew Rate it is ideally suited for Research, Industrial, Automotive and Military/Aerospace EMC applications such as CS2009, DO-160 and Mil Std 461.

The 7224 power amplifier offers the power and features of larger industrial amplifiers in a new smaller 2U size that runs from single phase 120/230VAC. It features controlled current or controlled voltage modes of operation and has a wide range of field configurable options.

As well as being used to create waveforms found in EMC standards it can also be used as a gradient amplifier for very small bore, high-gain MRI and NMR systems.

Optional "P" version offers precision control of output offset, DC drift and gain linearity.

Some of the key points to note include:

- High Power : both High Voltage or High Current applications
- Multiple units can be connected in parallel or used in series for even higher voltage or current.
- Fast! Up to 300kHz bandwidth

Applications include:

- Commercial EMC testing to the EN61000 range of immunity tests
- Automotive testing to ISO standards as well as specific standards such as Ford, GM, PSA, Fiat, etc.
- Military and Aerospace - DO160 and more
- Research

A very good application example is EMC magnetic field testing. Some recent customer trials have shown that when driven into a 12 cm coil it is possible to easily generate a magnetic field in excess of 1000A/m up 40kHz.

If you have a demanding application, AE Techron is the very best solution for all requirements up to over 100kHz in bandwidth and high power in various loads!

For more information on the full range of amplifiers from AE Techron please visit the AR Europe website <http://www.ar-europe.ie/>