

NEW!



AC/DC Amplifiers for Conducted & Radiated Immunity Testing

7114/7136 Meet your new lab partners

AE Techron's **7100-series** are 4-quadrant, AC and DC amplifiers that provide exceptional versatility and value. Compact size, user configurability, DC-Max™ topology, and AE Techron toughness make the 7100-series amplifiers the ideal lab partners for conducted and radiated immunity testing, PSRR testing, or any application where more voltage or current is needed than is available from the signal source.

Compact Power

Lightweight and just 2U in height, 7100-series amplifiers make a great choice when size or portability are important selection criteria.

Versatile

Front panel user controls give the 7100-series amplifiers a wide range of possible uses. Gain, maximum current, and DC offset can be fixed or infinitely varied. The choice of AC or DC coupling makes them suitable both for DC applications and for driving objects like coupling transformers or piezo elements that shouldn't see DC. All controls can be turned off when only a durable, high-current amplifier or DC source is needed.

Or each function can be individually enabled to provide the unique set of capabilities needed at the moment.

7100-series amplifiers can produce a DC output without an input signal. DC output is independent of input signal and amplifier gain. This DC capability, when combined with an input signal from a function generator, creates a versatile DC source with high-speed ripple and dropout capabilities.

DC-Max™

7100-series amplifiers are built with our new DC-Max topology. Amplifiers with DC-Max have long-term DC power that is more than 40% greater than traditional designs. This increased DC performance better matches the power requirements found in DC conducted immunity and PSRR testing.

AE Techron Toughness

The 7100-series amplifiers are designed using the same conservative design rules and protection systems that have made AE Techron amplifiers the toughest audio bandwidth amplifiers available.

Model 7114

Automotive / Aviation DC Conducted Immunity Testing

PERFORMANCE OVERVIEW

- 13.5V DC to 48V DC with 250 kHz ripple or <math><4 \mu\text{s}</math> dropouts
- Internal precision DC source
- 15A output at 13.5V DC
- Up to 45V RMS

Model 7136

Aviation AC Conducted or Radiated Immunity Testing

PERFORMANCE OVERVIEW

- 115V RMS / 120V RMS testing
- 200V RMS capable
- 150 kHz AC capable
- Precision user-adjustable DC offset
- 120V RMS, 5A RMS
- 5A from 13.5–48 VDC

FEATURES

	7114	7136
Maximum Output	400 VA	900 VA
DC Offset	$\pm 20V$ or $\pm 45V$	$\pm 2V$ or $\pm 20V$
Current Limit	1A to 25A	1A to 25A
Gain	0 to 10	0 to 40
Coupling	AC (DC blocked) or DC	AC (DC blocked) or DC
Mode of Operation	Controlled Voltage or Controlled Current	Controlled Voltage or Controlled Current
Rear Control Port	Signal In, Fault Status, Enable/Disable, Current Monitor	Signal In, Fault Status, Enable/Disable, Current Monitor

