



CIS 25: Conducted/Induced Susceptibility Testing

The CIS-25 is complete conducted/induced susceptibility solution. When combined with a DSR 400, it creates a very comprehensive aviation power and conducted immunity test solution.

Pre-entered Standards Include:

- DO 160 Section 16 (up to 24VDC)
- DO 160 Sections 18 & 19
- MIL STD 461G CS101
- Airbus ABD0100.1.8

Kit Includes:

- All Coupling devices and accessories needed to do measurements in these standards.
- Two hours of consulting support from Patrick Andre, DO-160 standards committee member and aviation EMC expert.



DSR 400: Aviation AC and DC Power Test System

The DSR 400 is a complete aviation AC/DC power test system. When coupled with the CIS-25, it forms a very comprehensive aviation power and conducted immunity test solution. Available in models from 80A to 160A continuous output current.

Pre-entered Standards Include:

- DO 160 Section 16 (115V, 14VDC, 28VDC)
- MIL STD 704 Sections 1-8
- Airbus ABD0100.1.8
- Boeing-D6-16050-5-C



DSR 100 Series: Automotive Conducted Immunity Test System

The DSR 100 Series is a drop-out, surge, ripple simulator and DC voltage source with AC ripple, drop-out, and surge that is designed for automotive conducted immunity testing.

System Features:

- Includes a comprehensive library of pre-entered ISO, automotive/truck manufacturer, and MIL STD Vehicle test routines.
- Supports rise and fall times down to 3 μ s.
- Pulse durations as short as 10 μ s.
- Models from 25A to 200A continuous output current.



HVR 1000: EV High-Voltage Ripple Test System

With the HVR 1000, AE Techron introduces a complete high-voltage ripple test system. This powerful new test system will be very competitive with the few limited options in the market today.

Focused on standards compliance, this system offers ease of use, rugged construction, and comprehensive system protections and limits. The HVR 1000 is designed to be forgiving of accidental misuse while being safe for the user and equipment being tested.

Pre-entered Standards Include:

- MBN LV123
- ISO 21498-2
- MAN CVS 43:2021-01
- VW 80300
- VW 80303

Key Performance Capabilities:

RIPPLE

- From 10 Hz to 200 kHz
- Up to 50 Vp, 200 Ap
- Adjustable ripple current limit

SYSTEM

- Up to 1000V output
- Up to 60 kW, 160A DC
- Adjustable DC current limit
- Bi-directional DC capability



3110A Standards Waveform Generator

The 3110A is a simple-to-use yet powerful standards waveform generator. It can be combined with other AE Techron products to quickly create a wide range of powerful and intelligent EMC test solutions.

System Features:

- Includes a comprehensive library of pre-entered ISO, automotive/truck manufacturer, aviation, and MIL STD Vehicle test routines.
- Up to 1 MHz EMC testing.
- Dramatically reduces test time for repetitive test sequences.
- Easy to modify included or create new waveform sequences.



4301 Series: DC Voltage Variations and Telecom Transients Testing

The 4301 Series is designed for testing of network telecommunications equipment and producing the waveforms required for transient voltage measurements. Solutions from 60A to 240A continuous with surge capabilities of up to 800A.

Pre-entered Standards Include:

- GR-1089 Section 10
- ATIS-0600315.2007



Amplifiers for Helmholtz Coil and Capacitor Life Testing

AE Techron wide-bandwidth, low-noise amplifiers are designed to effectively drive reactive loads, like coils and capacitors, at frequencies of up to 250 kHz. Our amplifiers are currently used in a wide variety of applications including MIL-PRF-83421/6E capacitor established reliability tests.

System Features:

- Bandwidth: DC to 250 kHz
- Voltage: 0 to 400 Vp
- Current: up to 60 to 360 ARMS