

EMC Market Solutions

AVIATION | AUTOMOTIVE | TELECOM | CAPACITOR



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

Kit Includes:

- Coupling transformers for DO 160 Sections 18 & 19, and MIL STD 461G CS 101.
- Chattering relay for DO 160 Section 19.
- Two hours of expert consulting provided by EMC Specialist Patrick G. Andre.



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



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.



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 V_p
- Current: up to 60 to 360 A_{RMS}