



CIS-25 Data Sheets

Conducted/Induced Susceptibility
EMC Testing Kit

Kit Includes:

DSR 100-25 Test System

T 1000 Transformer

T 2000 Transformer

T 3700 Transformer

CR 600, Chattering Relay

Two Hours of Expert Consulting

Secure Storage Case

Plus all required cables and connectors

The **CIS-25 Test Kit** combines into a single, complete package the items needed to accurately test to important Aviation standards like DO-160 sections 18 and 19.

Included with the kit are three coupling transformers (T1000, T2000, and T3700), the CR 600 Chattering Relay accessory, and a secure storage cabinet to keep the equipment safe.

The CIS-25 kit also comes with two hours of expert consulting provided by EMC Specialist **Patrick G Andre**, who will answer any questions you might have about set-up or testing.

The DSR 100-25 test system, which is included with the CIS-25 Test Kit, has power in reserve. Each of our DSR Series models provides continuous DC power as rated, and is able to provide 4X rated power for in-rush testing up to 200 ms (such as is required in DO 160 Section 16). Plus, the DSR 100-25 system includes the complete 3110A Standard's Library, so the CIS-25 Test Kit can be used for many other tests.

The equipment is easy to set up and use; all elements in the kit are robust and will provide you with many years of trouble-free service.



DSR 100 Series

Dropout, Surge, Ripple Simulator
and AC/DC Voltage Source

Includes library of 3000+ pre-entered
Automotive and Aviation Standards'
test routines

Operate as a free-
standing system
using the included
monitor, keyboard
and mouse, or
control via LAN



Very easy to modify existing tests or build new
test sequences

Can function as a controller or node in a larger
test system via built-in LAN and GPIO controls

Models from 25A to 200A continuous output
current available

Key Performance Capabilities:

4-Quadrant Can source and sink current
Up to $\pm 100V$ DC supply for 12V - 48V systems
300 kHz Sine DC ripple tests for all major standards
20 mV Noise Floor
3 μs Rise time exceeds Surge and Drop-out slew rate
requirements
3m Ω DC source impedance - better than ISO 7637-2
requirements
Supports ground reference and supply offset testing
required for ISO 16750-2 Sect. 4.8 and other
similar standards

AE Techron's DSR 100 Series systems provide complete, single-box solutions for immunity testing. They include a simple-to-use yet powerful standards waveform generator matched with an industry leading power supply technology and come with an extensive library of tests for many automotive and aviation standards.

All models of the DSR 100 Series are 4-quadrant, allowing them to source and sink current. The DSR Series has power in reserve; each model provides continuous DC power as rated, and is able to provide 4X rated power for in-rush testing up to 200 ms, as is required in DO 160 Section 16.

Pre-entered tests for the following Industry standards:

ANSI ASAE EP455 (Feb03)
IEC 6100-4-16
IEC 6100-4-19
ISO 7637-2 (2014) (E)
ISO 16750-2 (2023)
ISO 21780:2020
ISO 21848
JASO D 001-94 (1994-03-31)
MIL STD 461G
MIL STD 704F
SAE J1113-2 JUL2004
SAE J1113-11-202303 MAR2023
SAE J2139-201412 DEC2014
SAE J2628-201806 JUN2018

See page 2 for manufacturer-specific tests.

Manufacturer Specific Standards

Airbus ABD0100.1.8 Issue E	DAF BSL-003 (1998-12)	Hyundai ES 95400-10 (2007-11-14)
Airbus ABD0100.1.8.1 Issue C	DAF BSL-006 (2009-04)	Hyundai ES 96100-02 (2006-11-16)
Audi I EE-32 (2006-06)	Daimler Chrysler DC-10842 (2003-12)	JLR-EMC-CS v1 Amendment 4 (Nov 2013)
BMW GS 95003-2 (2010-01)	Daimler Chrysler PF-9326 Change D	Mazda MES PW67600 (1995-07)
BMW GS 95024-2-1 (2010-01)	DO160G	MIL STD 461G
BMW GS 95024-2-2 (2011-01)	Fiat 9-90110 Issue 13 (2007-03)	MIL-HDBK-704-8
Boeing-D6-16050-5-C	Ford CS-2009.1	Mitsubishi ES-X82010 Rev Q (2007-01)
Boeing-D6-36440E	Ford FMC1278	Mitsubishi ES X82115 Rev C (2009-03)
Case New Holland ENS0310 (12-2-2010)	General Motors GMW3172_H (July 2010)	Nissan 28400NDS02 Rev 3 (1999-07)
Chrysler CS-11809 (2009-05-29)	General Motors GMW3172_I	Nissan 28400NDS03 Rev 3 (2005-08)
Chrysler CS-11979 (2010-04-13)	Harley-Davidson EG-812-22613	Nissan 28401NDS02 Rev 4 (2008-08)
Claas CN 05 0215 (2004-12)	Honda 30AA	Toyota TSC70212G (2007-06)
Cummins 14269 (06201-028)	Honda 7794Z-SAAA-000 (28.12.2004)	Volkswagen VW 80101 (2009-03)
Cummins 14387 (102020-119)	Hyundai ES 39110-00 (2005-08)	Volkswagen VW 80000 (2009-10)
		Volkswagen VW TL 820 66

DSR 100 - 25

Voltage Output Range: -70V to +70V
Output Current: 0A to 25A continuous
Peak Current: 50Ap for 200 ms
Bandwidth (-3dB), Full Signal: DC to 300 kHz
Small Signal: 3Vp-p to 1 MHz
Source Impedance: 4.4 mΩ + 0.43 μH
Supply Voltage: Single-phase 120V ±10%, 30A, 50/60 Hz; 230V, 15A version available
Dimensions (HxWxD): 9.5 x 20 x 25 in. (63.5 x 24.1 x 50.8 cm)
Weight: Approximately 76.5 lbs. (34.7 kg)

DSR 100 - 75

Voltage Output Range: -70V to +70V
Output Current: 0A to 75A continuous
Peak Current: 150Ap for 200 ms
Bandwidth (-3dB), Full Signal: DC to 300 kHz
Small Signal: 3Vp-p to 1 MHz
Source Impedance: 4.4 mΩ + 0.43 μH
Supply Voltage: 3-phase 208V ±10%, 20A, 50/60 Hz; 400V, 10A version available
Dimensions (HxWxD): 45.8 x 22.6 x 31.6 in. (116.3 x 57.3 x 80.2 cm)
Weight: Approximately 353 lbs. (160 kg)

DSR 100 - 155

Voltage Output Range: -70V to +70V
Output Current: 0A to 155A continuous
Peak Current: 300Ap for 200 ms
Bandwidth (-3dB), Full Signal: DC to 300 kHz
Small Signal: 3Vp-p to 1 MHz
Source Impedance: 3 mΩ + 2.2 μH
Supply Voltage: 3-phase 208V ±10%, 20A, 50/60 Hz; 400V, 10A version available
Dimensions (HxWxD): 45.80 x 22.56 x 31.56 in. (116.33 x 57.3 x 80.16 cm)
Weight: Approximately 479 lbs. (217 kg)

DSR 100 - 200

Voltage Output Range: -100V to +100V
Output Current: 0A to 200A continuous
Peak Current: 800Ap for 200 ms
Bandwidth (-3dB), Full Signal: DC to 150 kHz
Small Signal: 20Vp-p to 250kHz
Source Impedance: 3 mΩ + 2.2 μH
Supply Voltage: 3-phase 208V ±10%, 125A, 50/60 Hz; 400V, 65A version available
Dimensions (HxWxD): 69.25 x 22 x 28 in. (175.9 x 55.9 x 71.1 cm)
Weight: Approximately 850 lbs. (386 kg)

Common Data (all models)

Operation: 4-quadrant, bi-polar operation
Output Rise Time: <3 μs
Remote Control: GPIO, LAN
Cooling: Internal forced-air fans
Protection: Over/under voltage, over current, over temperature
Trigger: Automatic repeat, manual trigger, external trigger via GPIO or LAN
Input, Signal In: BNC connector; **LAN:** Ethernet connector
Output, DUT Supply +/-: High-current connectors; **Signal Output:** BNC connector; **LAN:** Ethernet connector

Waveforms: Sine wave sweep, ripple (cranking), DC source, triangle wave, square wave, sawtooth wave
Control Functions: Trigger, fixed loop, variable loop, template playback, GPIO output, LAN output
Operating Environment,
Temperature: 10°C to 50°C (50°F to 122°F), Maximum Output Power de-rated above 30°C (86°F).
Humidity: 70% or less, non-condensing
Atmospheric Pressure: 86 kPa (860 mbar) to 106 kPa (1,060 mbar)





3110A Up to 1 MHz EMC Testing

Features

- Easiest-to-use LF wave sequence generator
- 3000+ automotive and aviation standard's tests included
- Dramatically reduces test time for repetitive test sequences
- Semi-automatic calibration routine significantly reduces labor-intensive tasks (like CS101)
- Very easy to modify included waveform sequences or create new ones



Microsoft
Partner

AE Techron's 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.

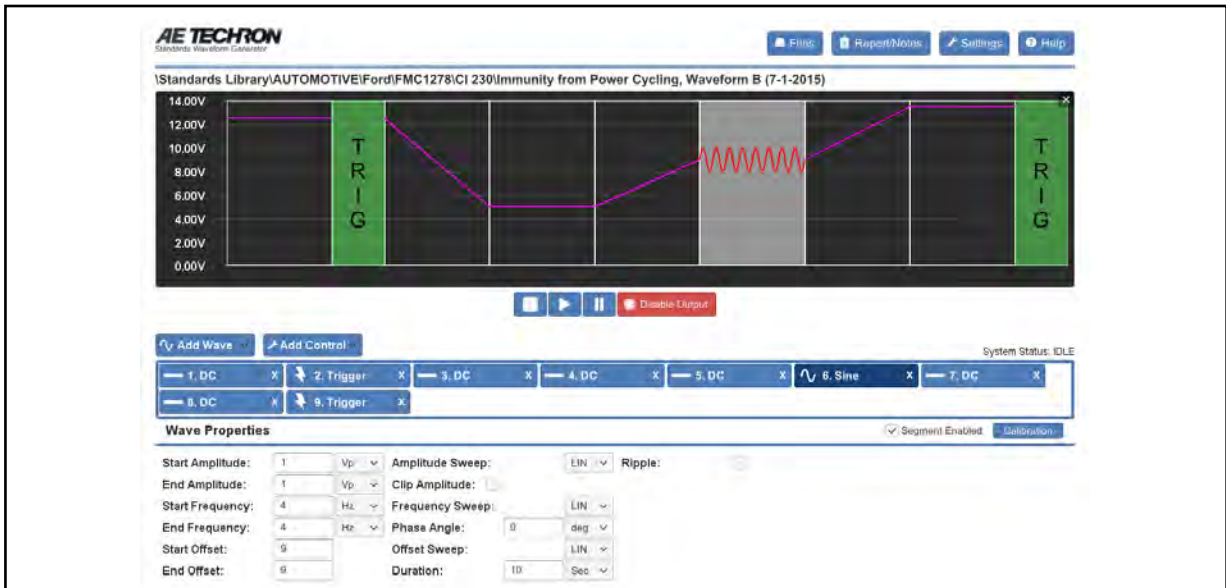
The 3110A outputs a standard analog signal that can work with any AE Techron amplifier or other LF amplifiers that you already have. When coupled with the AE Techron model 7234 amplifier, the 3110A can create virtually all waveforms, DC offsets, dropouts and surges needed for EMC tests with rise/fall times of 2 μ s or greater and frequencies from DC to 1 MHz.

The 3110A software is built around the concept of a waveform segment. Each waveform segment can have a unique waveform, (sine, square, triangle, and/or DC offset). Frequency, amplitude and DC offset can be clipped, fixed, variable or swept. Segments can be calibrated (as required in CS101) and set to continue on to the next segment or to hold for an external trigger.

The power of the system occurs when waveform segments are linked to create test sequences. These test sequences can be of any length and can be run as a single sequence, looped, or looped with multiple variables changing within the test sequence (as required in multiple Toyota and GM standards). Finally, multiple sequences can be combined to create a single customized extended test.

An extensive library of 3000+ tests for many automotive, aviation and industry Standards makes it possible for the 3110A to save time from day one. And, for customers that require over-testing or testing for products that have no predefined standard, tests from the Standards Library can be easily modified and saved for later use.

The 3110A delivers extensive capabilities for LF EMC testing with very short training-time requirements. Plus, it makes it easy to automate repetitive and labor-intensive tasks, making the 3110A a very efficient and cost-effective solution for LF EMC testing.



HOW TO BUILD A TEST

Tests are created by combining wave segments together with other wave segments and/or control segments.

WAVE SEGMENTS (including sine, ripple, square, triangle, sawtooth, and DC offset) are the basic building blocks of each test.

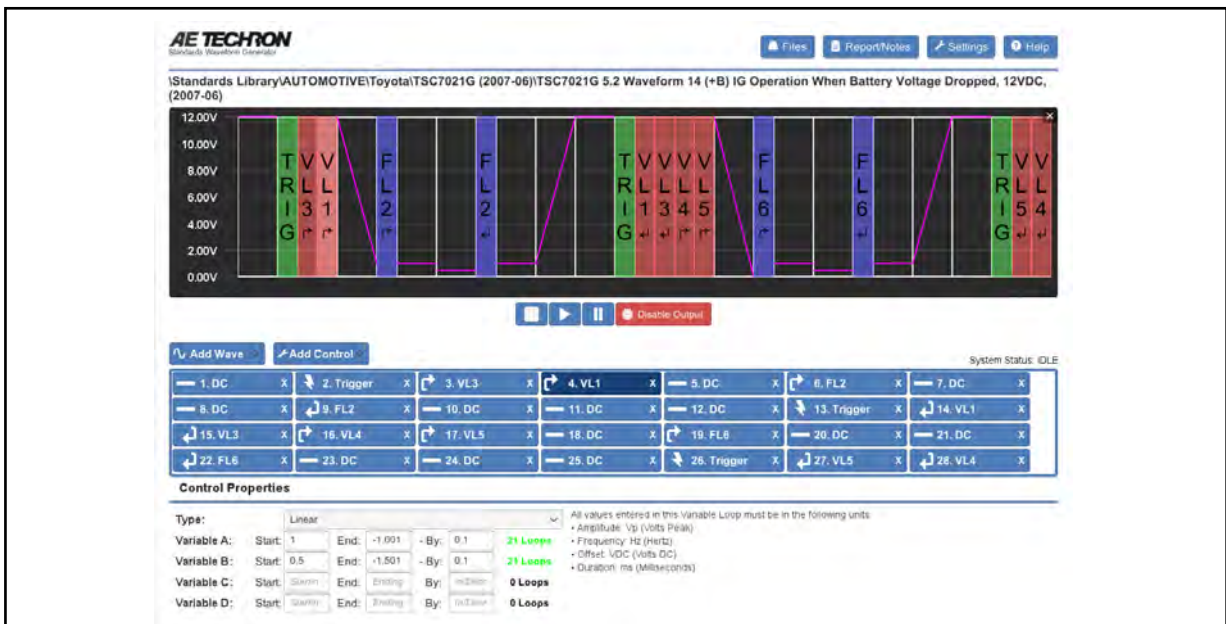
The frequency, amplitude, and DC offset of each wave segment can be easily adjusted using the Wave Properties window and defined as fixed or linear, logarithmic or exponential sweep, with wave segment durations as short as 50 μ s.

CONTROL SEGMENTS like Fixed Loop, Variable Loop, and Trigger make the 3110A able to reproduce very complex standards. The test shown below highlights several key abilities made possible by these control segments.

A multi-step waveform can start at one level/condition, then be repeated, with up to four variables changing during the wave segment duration. Single or multi-step waveforms can be made to repeat (or loop) and these repeating waveforms can be nested within a larger simple or repeating waveform.

At any point during a waveform sequence, the program can be automatically paused (either holding the previous condition or muting) and wait for an external trigger before resuming.

THE RESULT is a complex waveform sequence that takes only minutes to setup, saving hours in both training and programming time compared to alternative EMC test generators.



Technical Details - Hardware

Output channels: 1

Output Voltage: 10 Vp

Signal Generation:

DAC:

18 bit

DC – 20 kHz (any wave form)

3 μ s full scale (includes settling time)

Minimum pulse duration,

Burst: <15 μ s

Continuous: 30 μ s

Sine:

14 bit

DC – 1 MHz

400 Msps

0.01 Hz or better frequency resolution

.0002 degree phase granularity

Amplitude:

76 μ V resolution

Frequency,

Stability: ± 50 ppm

Accuracy: $\pm 0.1\%$

Control, Status, I/O

Front Panel:

On/Off/Breaker

Signal Output: BNC (analog - 10Vp)

LED Displays: Power, System Fault,
Signal-In Enabled

Back Panel:

Power Connection:

120VAC: IEC cable with NEMA 5-15

230VAC: IEC cable with CEE 7/7

Fuse: 2A, 250V slow blow (5 mm)

Physical Characteristics

Chassis:

The 3110A is designed for table-top or rack-mounted operation. The chassis is aluminum with a black powder-coat finish. The unit occupies two EIA 19-inch-wide units.

Weight: 9.5 lbs (4.31 kg)

Shipping Weight: 19.5 lbs (8.85 kg)

AC Power:

Single-phase, 120 VAC, 50/60 Hz, 2A service; 230 VAC, 50/60 Hz, 2A model available

Dimensions:

19 in. x 11.75 in. x 3.5 in.

(48.3 cm x 29.8 cm x 8.9 cm)

Technical Highlights – Software

Waveforms Supported:

Sine, Ripple, DC, Triangle, Square, Rectangle, Sawtooth

Waveform Modifiers:

Amplitude, frequency and DC offset (fixed or linear, logarithmic* or exponential sweep); phase angle; duration; clipped amplitude; and ripple on AC

Waveform Controls:

Trigger (user, GPIO, LAN), Fixed Loop, Variable Loop, Scripted Variable Loop, Template Playback, GPIO Output, LAN Output

Minimum Step Size (isolated):

25 μ s ± 3 μ s

DC Quiescent Noise:

5 mV_{p-p}

Test Capabilities,

Minimum Waveform Duration: 50 μ s

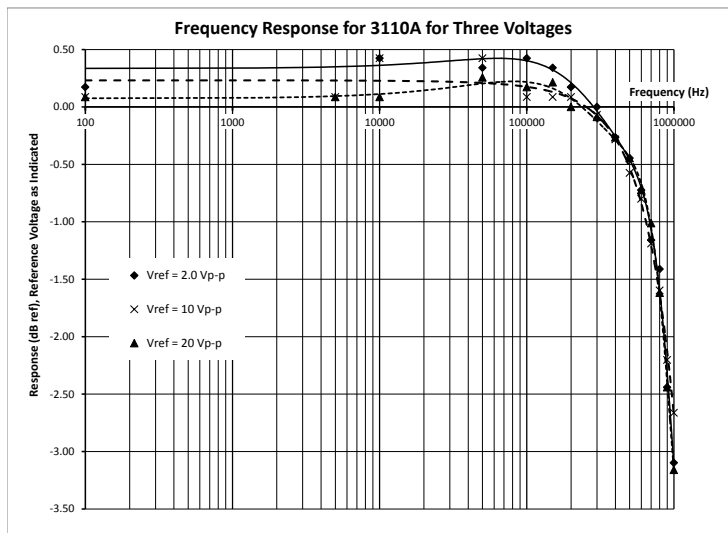
Maximum Number of Loop Repeats: >1 million

Storage Capabilities, Number of Tests:

300,000 (expandable to 1 million)

See Capabilities sheet for loop characteristics

*Logarithmic sweep available for sine, ripple and DC offset waveforms only.



CE 230V versions of this product bear the CE mark

AE Techron Sales Representative



T1000 Transformer for Magnetic-Field Susceptibility Testing

For testing to these Specifications:

- DO 160 Section 19
- Boeing D6-16050-5 Section 7.2

Features

- Up to 100 A_{RMS} secondary current
- Exceeds AF Magnetic Field test requirements of DO 160 Section 19 and Boeing D6-16050-5 Section 7.2
- Circuit breaker protected from over-current
- Durable steel and high-density polyethylene case for impact resistance

The AE Techron **T1000 Magnetic-Field Susceptibility Transformer** was designed to exceed the AF Magnetic Field susceptibility test requirements of DO 160 Section 19 and Boeing D6-16050-5 Section 7.2.

It may also be used as 10-to-1 step-down transformer for output currents of up to 100 A_{RMS}.

The T1000 transformer provides up to 300 A-m and is able to generate up to 100A. The turns ratio provides a ten-to-one step down to the secondary winding.

The T1000 provides convenient input connectors via binding posts. Standard 0.75-inch spacing of binding posts allows use of standard plugs. Output is via 150A feed-through terminal block.

A 12-amp circuit breaker protects the unit against over-current conditions. A rugged, impact-resistant case and robust design protects the transformer from accidental damage.

The T1000 transformer is for use by experienced staff.

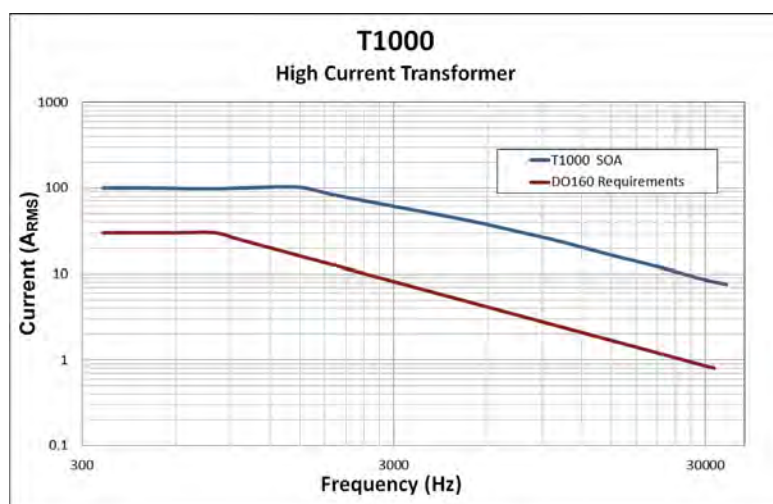


Figure 1 – T1000 Maximum SOA (safe operating area)

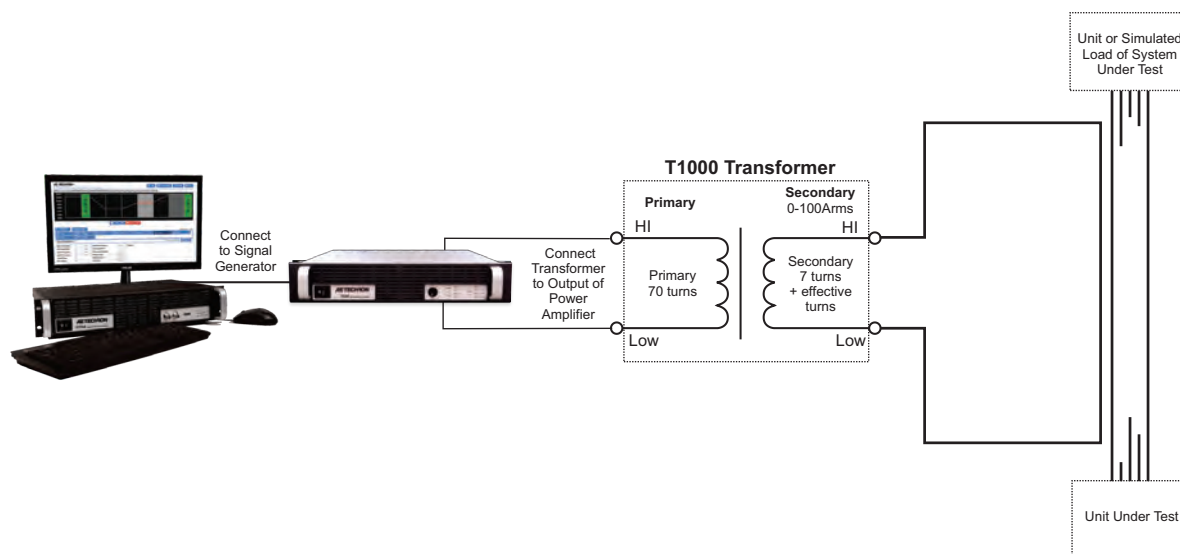


Figure 2 – Sample Application: DO 160 Section 19 Test Load Wiring

Specifications

Performance Specifications

Primary:

200 V_P maximum

Secondary:

20.0 V_P maximum output

Dielectric Test:

1200 VDC

Turns Ratio::

Ten-to-one step down

Protection:

Input power-protected via circuit breaker

Controls and Connectors

(see Figure 3)

Input Terminals:

4-way binding posts

Output Terminals:

Feed-through terminal block (150A); accepts up to AWG 1/0 wire.

Circuit Breaker:

Primary input limited to 12A; push to reset

Physical Characteristics

Case:

Steel interior shell with a durable external shell made from high-density polyethylene for impact resistance.

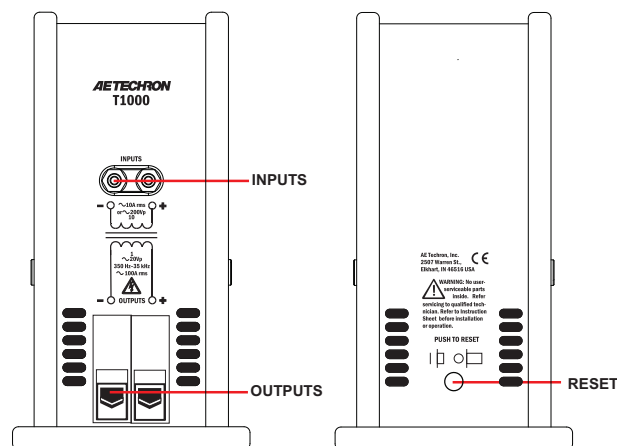


Figure 3 – T1000 Controls and Connectors

Operating Conditions,

Temperature: 10°C to 40°C (50°F to 104°F)

Humidity: 70% or less, non-condensing

Recommended Ambient Temperature:

25°C (77°F)

Cooling:

Natural air convection

Weight:

15 lbs. (6.8 kg)

Dimensions (HxWxD):

9.75 in. x 5.25 in. x 10.375 in. (24.8 cm x 24.8 cm x 13.3 cm x 26.4 cm)

AE Techron Sales Representative



T2000 Transformer

for LF Conducted
Susceptibility Testing

Features

- Frequency response – 10 Hz to 250 kHz
- Turns ratio – 2:1 step down
- Audio power – 200W MAX
- Meets the LF Conducted Susceptibility test requirements of DO 160 Section 18
- Circuit breaker protected from over-current on secondary
- Durable steel and high-density polyethylene case for impact resistance

For testing to these Specifications:

- Chrysler CS-11809 (2009)
- DaimlerChrysler DC-10615
- DO 160 Section 16
- DO 160 Section 18
- Ford FMC 1278
- GLloyd VI-7-2
- ISO 11452-10
- EMC-CS-2010JLR V1.1 (2011-01)
- MIL STD 461 D CS 101
- MIL STD 461 D CS 109
- MIL STD 461 E CS 101
- MIL STD 461 E CS 109
- MIL STD 461 F CS 101
- MIL STD 461 F CS 109
- MIL-STD-704
- Mitsubishi ES-X82115
- SAE J1113-2
- Tata TST/TS/WI/257

The AE Techron **T2000 Audio-Bandwidth Transformer** was designed to meet or exceed the LF conducted susceptibility test requirements of DO 160 Section 18. The T2000 is used to apply the required test signals to the lines under test for ripple voltage tests and continuous or transient conducted immunity tests.

It may also be used as 2-to-1 step-down transformer. The secondary can support up to 40 A_P.

The T2000 transformer supports up to 200W and is able to pass up to 40 A_P on the secondary. The turns ratio provides a two-to-one step down.

The T2000 provides convenient input connectors via binding posts. Standard 0.75-inch spacing of binding posts allows use of standard plugs. Output is via feed-through terminal block connectors (76A); accepts up to AWG 6 wire.

A thermal breaker protects the unit against over-current conditions on the primary. A 35A_{RMS} breaker protects the unit against over-current conditions on the secondary. A rugged, impact-resistant case and robust design protects the transformer from accidental damage.

The T2000 transformer is for use by experienced staff.

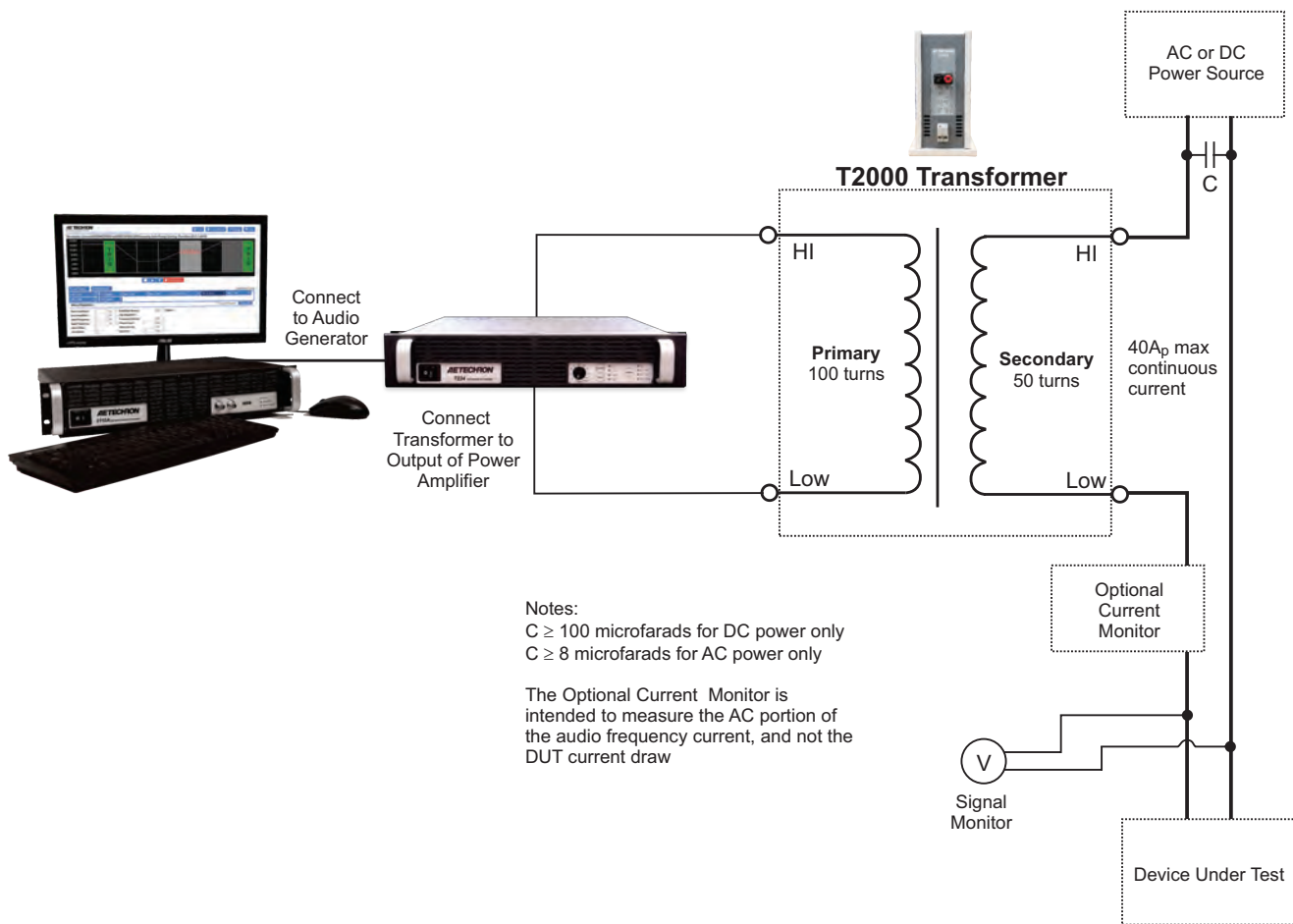


Figure 1 – Sample Application: DO 160 Section 18 Test Setup (for AC and DC power lines, differential mode)

Specifications

Performance Specifications

Transformer DC Resistance, Primary:

0.076 ohms

Secondary:

0.021 ohms

Frequency Response:

10 Hz to 250 kHz

Audio Power:

200W

Dielectric Test:

1500 VDC primary to secondary

Secondary Saturation:

40A_p AC or DC maximum

Turns Ratio::

Two-to-one step down

Secondary Inductance:

Approximately 0.6 mH (unloaded)

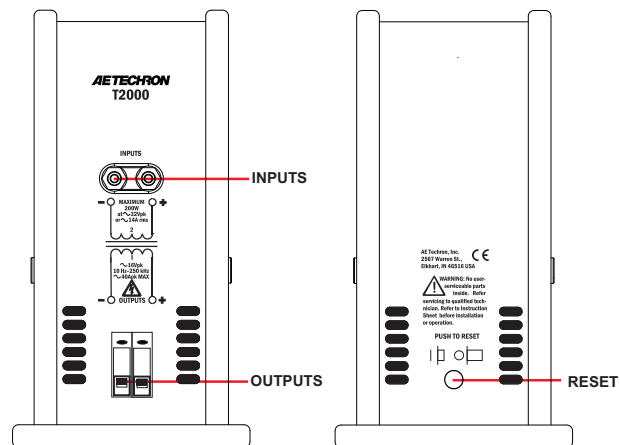


Figure 2 – T2000 Controls and Connectors

Protection:

Input power-protected via thermal breaker; secondary winding protected via 35A_{RMS} breaker

Controls and Connectors

(see **Figure 2**)

Input Terminals:

4-way binding posts

Output Terminals:

Feed-through terminal block connectors (76A); accepts up to AWG 6 wire

Circuit Breaker:

Secondary winding limited to 35A_{RMS} via circuit breaker; push to reset.

Physical Characteristics

Case:

Steel interior shell with a durable external shell made from high-density polyethylene for impact resistance.

Operating Conditions,

Temperature: 10°C to 40°C (50°F to 104°F)

Humidity: 70% or less, non-condensing

Recommended Ambient Temperature:

25°C (77°F)

Cooling:

Natural air convection

Weight:

17 lbs. (7.7 kg)

Dimensions (WxDxH):

5.25 in. x 10.375 in. x 9.75 in. (13.3 cm x 26.4 cm x 24.8 cm)

AE Techron Sales Representative



T3700 Transformer for Electric-Field Susceptibility Testing

For testing to these Specifications:

- DO 160 Section 19
- Boeing D6-16050-5 Section 7.2

Features

- Up to 3,700 V_{RMS}
- Meets or exceeds voltage requirements of DO 160 Section 19 and Boeing D6-16050-5 Section 7.2
- Robust design, withstand tested to 5,000 VDC
- Durable steel and high-density polyethylene case for impact resistance

The AE Techron **T3700 Electric-Field Susceptibility Transformer** was designed to meet or exceed the voltage requirements of DO 160 Section 19 and Boeing D6-16050-5 Section 7.2 testing.

It may also be used as a 1-to-37 step-up transformer for voltages up to 3700 V_{RMS}.

The T3700 transformer is able to generate up to a 3700 V_{RMS} potential. It is withstand tested to 135% of rated output to ensure a long, trouble-free life. The turns ratio provides a 1-to-37 step up to the secondary winding.

The T3700 provides convenient input connectors via touch-proof, four-way binding posts. Standard 0.75-inch spacing of binding posts allows use of standard plugs.

A 1-amp fuse protects the unit against over-current conditions. A rugged, impact-resistant case and robust design protects the transformer from accidental damage.

The T3700's voltage output meets or exceeds the requirements of DO 160 Section 19 and Boeing D6-16050-5 Section 7.2. It is safe for use by experienced staff.

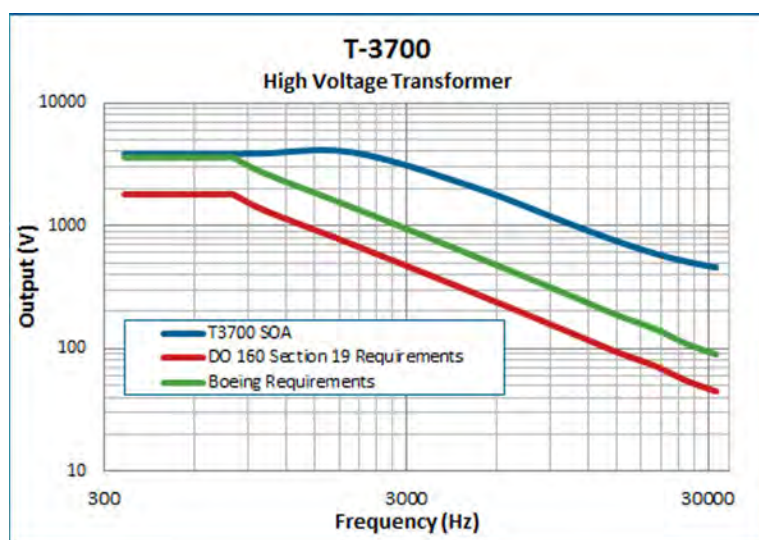


Figure 1 – T3700 Maximum SOA (safe operating area)

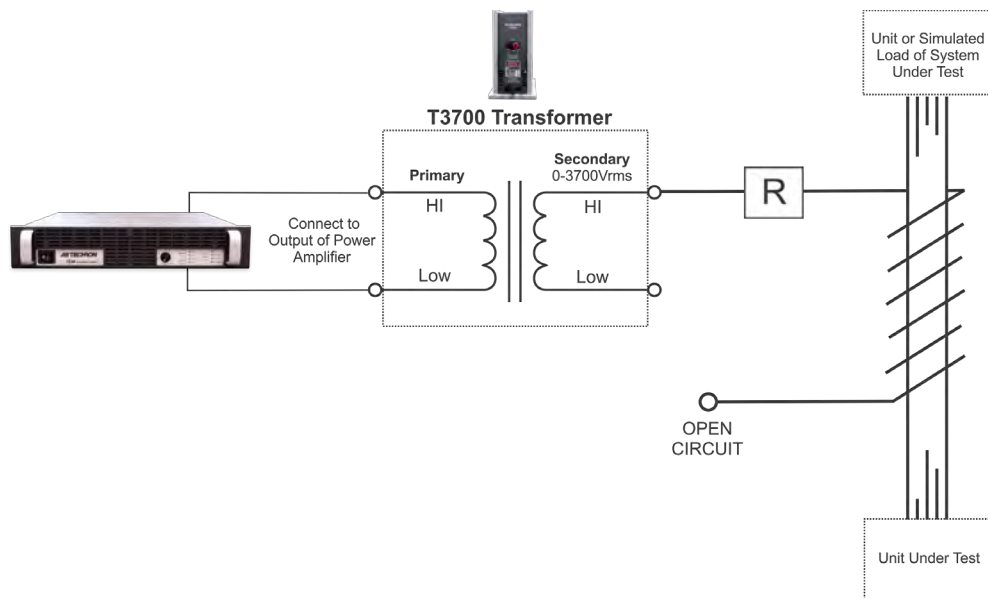


Figure 2 – DO 160 Section 19 Test Load Wiring

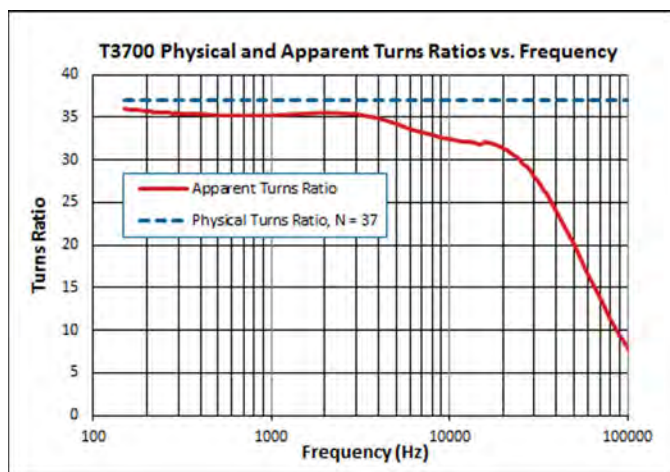


Figure 3 – Physical and Apparent Turns Ratios vs. Frequency

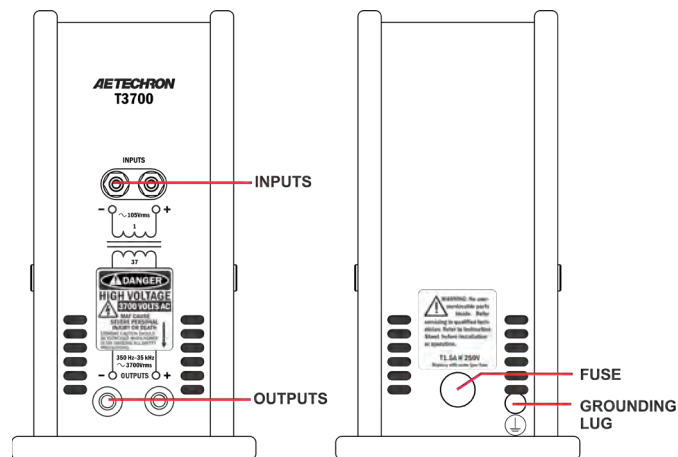


Figure 4 – T3700 Controls and Connectors

Specifications

Performance Specifications

Primary:

100 V_{RMS} maximum or 1 A_{RMS}, maximum

Secondary:

3700 V_{RMS} maximum output

Physical Turns Ratio:

1-to-37 step up

Dielectric Test:

5 kVDC primary to case

5 kVDC secondary to case

Frequency Range:

250 Hz to 35 kHz

Protection:

Current-protected input

Controls and Connectors

(see Figure 4)

Input Terminals:

4-way binding posts

Output Terminals:

LGH high-voltage connector (+)

Banana jack (–)

Over-Current Protection:

Primary input limited via fuse to 1A (T1A H 250V)

Grounding Lug:

Screw terminal grounding connector. Connect to earth ground using appropriate wire and connector.

Physical Characteristics

Case:

Steel interior shell with a durable external shell made from high-density polyethylene for impact resistance.

Operating Conditions,

Temperature: 10°C to 40°C (50°F to 104°F)

Humidity: 70% or less, non-condensing

Recommended Ambient Temperature:

25°C (77°F)

Cooling:

Natural air convection

Weight:

16 lbs. (7.3 kg)

Dimensions (WxDxH):

5.25 in. x 10.375 in. x 9.75 in. (13.3 cm x 26.4 cm x 24.8 cm)

AE Techron Sales Representative



CR 600 Chattering Relay

for DO-160 Section 19.3.5 Testing

Features

- Coil Voltage: 24 VDC
- Coil Current: 84 mA
- Contact Rating: 30A
- Typical Pulse Voltage: >700 Vpp
- Includes oscilloscope connection points for voltage monitoring

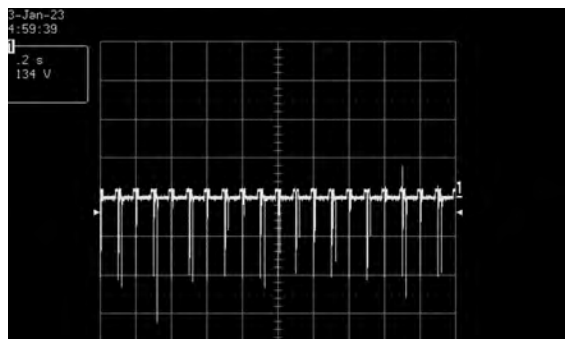


Figure 1 – Example of output from the CR 600 when adjusted to yield a pulse repetition rate of eight to ten pulses per second

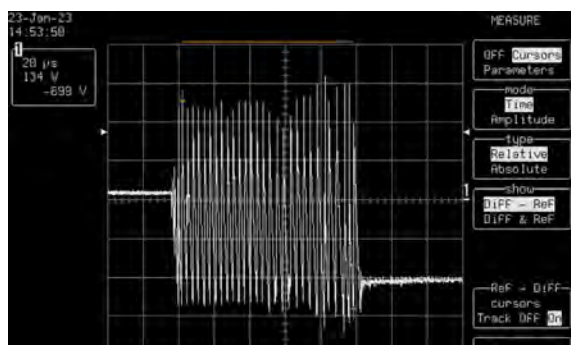


Figure 2 – Example of output from the CR 600 when adjusted for a pulse sequence with an amplitude greater than or equal to 600 Vpp, and a total duration of 50 to 1000 microseconds

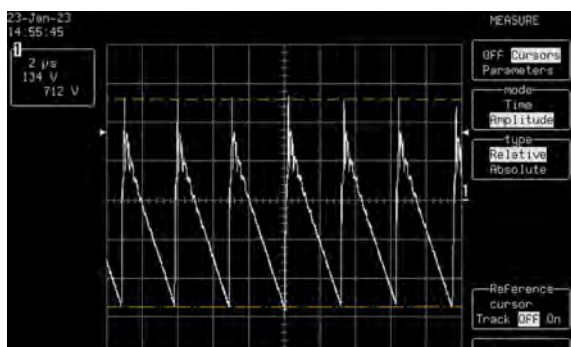


Figure 3 – Example of output from the CR 600 when adjusted for a repetition period of 0.2 to 10 microseconds

The AE Techron **CR 600 Chattering Relay** is a cost-effective, rugged yet elegant solution to the DO 160 Section 19.3.5 “Spikes Induced into Interconnecting Cables” test requirement.

Internally built around a 50A high-current relay with two independent sets of contacts, the CR 600 was engineered for double the life before refurbishment.

The CR 600 uses quick-connect, touch-proof connectors to ensure efficient setup and a safe test environment. It also includes quick-clip test points for oscilloscope monitoring of tests in progress.

When driven from an intermittent voltage source like the AE Techron DSR 100-25 and utilizing test waveform, “Section 19.3.5 CR 600”, the CR 600 output meets the voltage (600V), duration (50 – 1000 μ s) and repetition-period (0.2 to 10 μ s) requirements specified by the DO-160 standard.

For testing to these Specifications:

- DO 160 Section 19.3.5

Product Specifications

Performance

Coil Voltage: 24 VDC

Coil Current: 84 mA

Contact Rating: 30A

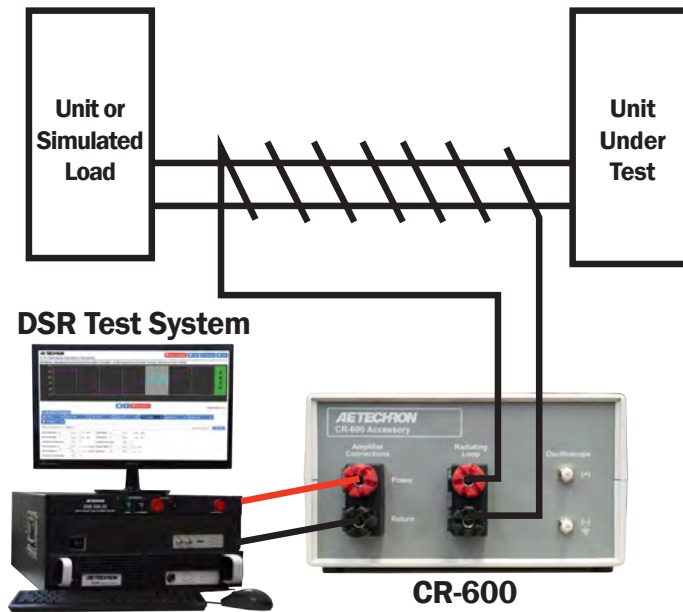


Figure 2 – Sample Application: Test Setup for RTCA DO160 Section 19.3.5 using the CR 600

Typical Pulse Voltage: >700 Vpp

Controls and Connectors

Amplifier Connections:

Dual binding posts

Radiating Loop:

Dual binding posts

Oscilloscope:

Dual turret connectors

Physical Characteristics

Case:

Injection-molded plastic

Operating Conditions,

Temperature: 10°C to 40°C (50°F to 104°F)

Humidity: 70% or less, non-condensing

Recommended Ambient Temperature:

25°C (77°F)

Cooling:

Natural air convection

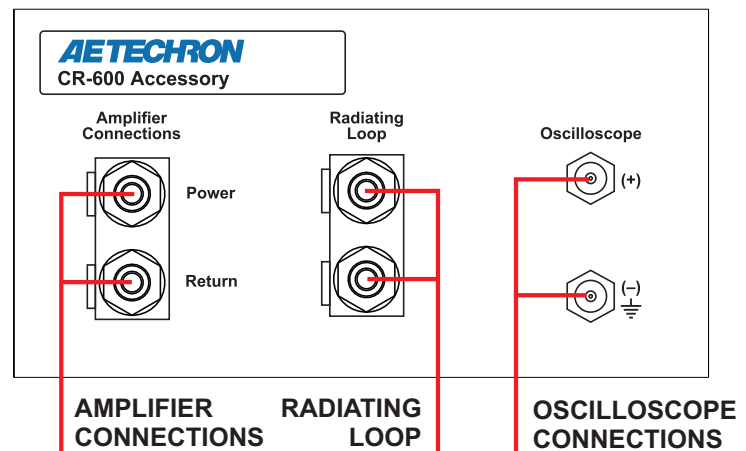


Figure 3 – CR 600 Connectors

Weight:

1.5 lbs. (0.68 kg)

Dimensions (HxWxD):

3.25 in. x 6.25 in. x 7.25 in. (8.3 cm x 15.9 cm x 18.4 cm)

AE Techron Sales Representative