

4301 SERIES Telecom Test Systems 60A UP TO 240A

The AE Techron 4301 Series has been specially designed for EMC testing of network telecommunications equipment and is capable of reproducing the waveforms required for DC voltage variations and transient voltage measurements as described in GR-1089 Section 10 and ATIS-0600315.2007.

Pulse Triggering

The 4301 system automatically triggers your AWG to create the test pulse.*

Up to 240A DC at $\pm 50V$ DC

Pulses of up to 800A at voltages of up to $\pm 100V$.

Current and Voltage Monitors

Assist in the completion of Requirements R1, R2, R3, R4 and R5 of the ATIS standard.

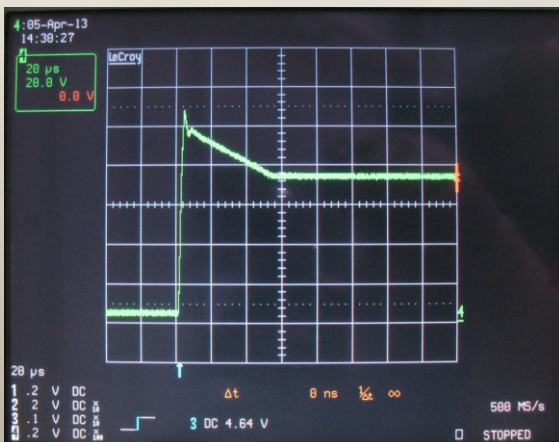
Versatile

The 4301 is a fast, low-noise, DC-capable AC amplifier system that can be used for a wide range of DC transient and steady-state tests.

Select from Four Output Current Potentials

Choose a version with maximum output at 60A, 120A, 180A or 240A.

*AWG not included.

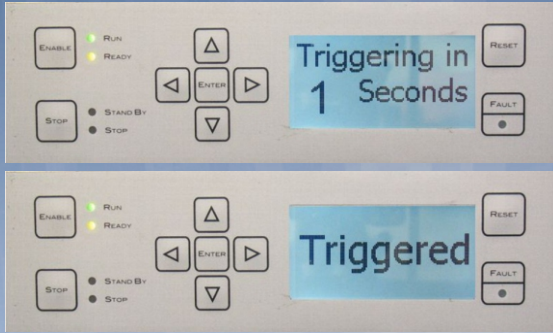


The 4301 can output transient voltages of 50-100V in less than 2 μ S, or 5-100V in less than 5 μ S (shown). It can reproduce either the combined waveform/single measurement or the multiple waveform/multiple measurement methods described in the ATIS standard.

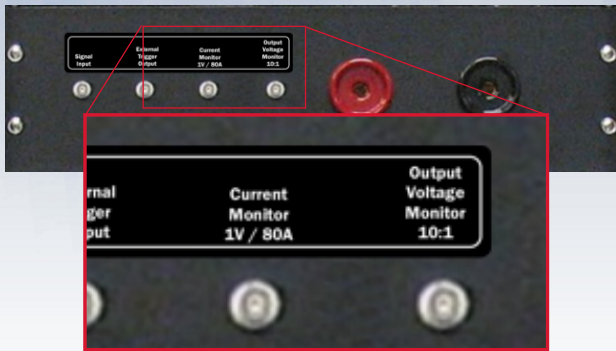
- GR-1089 Section 10
- ATIS-0600315.2007



4301-240 version shown.



The 4301 provides a built-in Trigger function for triggering the DC pulse during testing. The Trigger function prepares the system for high-voltage output, then triggers your AWG to generate the test pulse.



Scaled Voltage and Current ports provide the data needed to complete Requirements R1, R2, R3, R4 and R5 of the ATIS standard.



Adjustable compensation allows the 4301 to maintain a $2\mu\text{s}$ rise-time over a wide range of current outputs.



Room for additional components is provided within the 4301 cabinet. A four-outlet, 120V auxiliary receptacle is provided for powering additional components.