



**AE TECHRON®**

# 4301 SERIES

## Telecom Test Systems

### 60A UP TO 240A

- **GR-1089 Section 10**
- **ATIS-0600315.2007**

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 the integrated AWG or your supplied unit 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.

#### Optional AWG

Optional Fluke 281 AWG comes pre-programmed and integrated into the 4301 system.

#### Choice of Output Connectors

Choose 250A Pin Plug or Anderson SB350 output connectors.

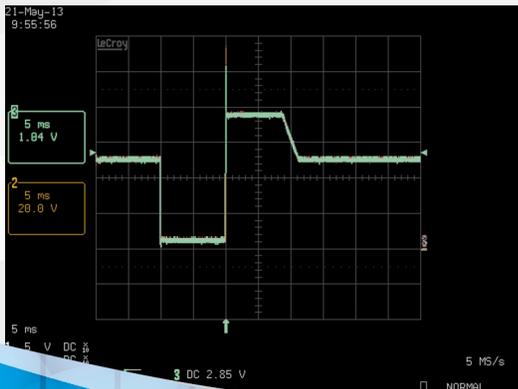
#### Versatile

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.

\*Integrated AWG available as an option.



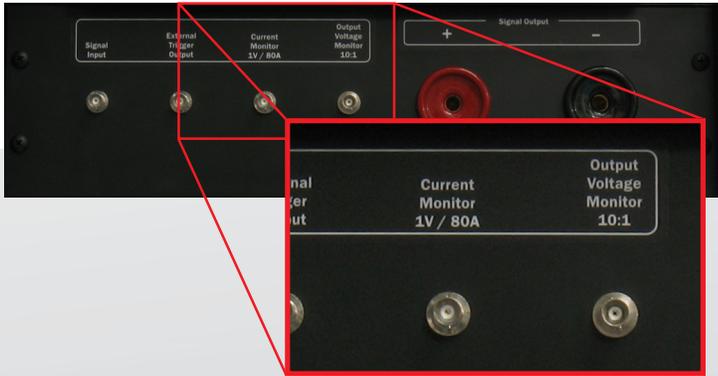
The 4301 can output transient voltages of 50-100V in less than  $2\mu S$ , or 5-100V in less than  $5\mu S$ . It can reproduce either the combined waveform/single measurement (shown) or the multiple waveform/multiple measurement methods described in the ATIS standard.



4301-240 version shown with standard Pin Plug connectors and optional AWG.



The 4301 Trigger function prepares the system for high-voltage output, then triggers your AWG to generate the DC test pulse.



Scaled Voltage and Current ports provide the data needed to complete Requirements R1–R5 of the ATIS standard.



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



Choose either 250A Pin Plug connectors (standard) or Anderson SB350 power connectors.



All 4301 cabinets can be ordered with an optional Fluke 281 AWG, which comes preprogrammed and integrated into the system. Room for additional components is provided within the 4301 cabinet. A four-outlet, 120V auxiliary receptacle is provided for powering additional components.