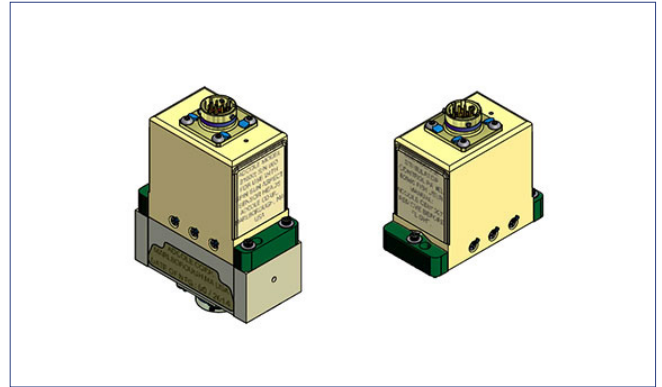


Adcole Space Stimulator System uses infrared LEDs to illuminate the cells of each sun sensor.

The Sun Sensor Stimulator System provides a practical means to obtain optical stimulus for the ground checkout of sun sensor hardware. Using the Sun Sensor Stimulator System, your organization can:

- Verify sun sensor functionality, including sun angles, sun presence, and spin pulse (if applicable)
- Provide Sensor Aliveness testing over temperatures in a vacuum
- Verify flight harnesses



Control Panels contain the necessary circuitry to properly drive an array of Stimulators. The panels contain front panel controls and/or computer inputs, as indicated by the customer. Control panels are powered from 100 to 240 VAC, 50 or 60 Hz.

The stimulators are fully compatible with vacuum chambers, and can be used over an approximate temperature range of -30° to +60° C.

Adcole Space recommends using an Adcole Control Panel with each group of Stimulators. Alternately, the stimulators can be operated using customer-built driver circuits. Adcole will assist customers in specifying the appropriate drive signals for any purchased stimulator hardware.

| PARAMETERS | |
|---|--|
| Power Requirements | Stimulator Control Panel 120 to 240 VAC 50 or 60 Hz |
| Effective Operating Temperatures | Range: -30° to +60° |

COMPANY HERITAGE

Founded by Addison Cole in 1957, the sun sensors designed by Adcole have flown on numerous space exploration missions, including all Mars Rovers, New Horizons, Juno, and the Parker Solar Probe. An engineer by trade, Cole invented a sun angle sensor that enables rockets and satellites to maintain their orientation in space. Cole's invention, which is in use by space agencies today, provided the impetus behind the launch of Adcole Corporation.

