

Space Qualified



## Description

**Light Stimulator for Sun Sensors** is an Optical Ground Support Equipment (OGSE) based on a controlled and stable light source to stimulate optical sensors, designed to work under TVAC.

**LS3** operates without touching the sensor or the platform where the device to be stimulated is placed. It includes a 19" controller and up to 3 optical heads per unit, with an interface for PC to program the testing operations.

## Features

Manual mode or PC connection through an user-friendly interface.

Compatible with any sun sensor, solar panel or any other optical sensitive device.

Temperature and light control for stable illumination.

Intensity control modes and enable/disable shutter.

Independent operation of 1, 2 or 3 optical heads on each controller.

Customizable optical beam.

Customizable bracket for optical head.

Customizable for more than 3 optical heads.

## Technical Characteristics

<b>Type</b>	OGSE for TVAC
<b>Beam size</b>	25 mm diameter, 18 focal length
<b>Beam homogeneity</b>	> 90%
<b>Light collimation</b>	< 10°
<b>Lightspectrum</b>	450-1100 nm
<b>Optical head temperature range</b>	-50° to 100° C (no vacuum) -40° to 80° C (vacuum)
<b>Power supply</b>	220VAC (50 Hz) 75W max
<b>PC interface</b>	USB
<b>Communication</b>	Modbus RTU over RS232
<b>Optical head mounting</b>	M6 for rod and/or tripod Customization available

## Optical Head

