

## Description

Dual Quadrant Sun Sensor Stimulator (DQS3) is an Optical Ground Support Equipment (OGSE) designed to verify the correct operation of sun sensors in production and integration environments.

The system enables simultaneous testing of multiple sun sensors using independent and controlled light sources with high stability and repeatability.

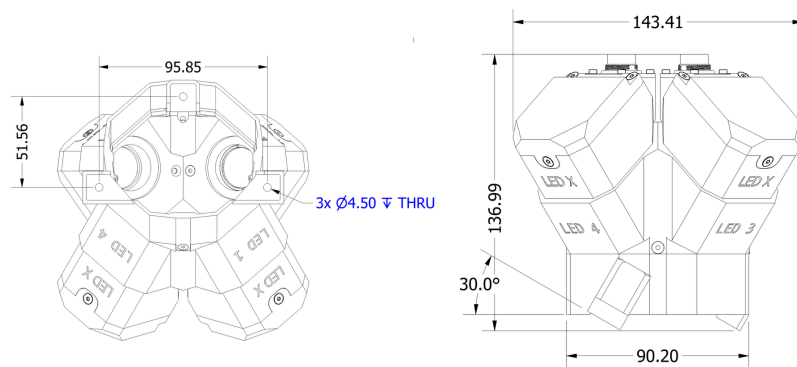
DQS3 operates as a standalone unit or through remote control, providing flexible operation modes and full monitoring of system parameters.

## Features

Type	OGSE for TVAC
Input voltage	100–240 VAC, 50/60 Hz
Power consumption	up to 360 W
Internal supply	24 VDC regulated system
Operating temperature	0 to 40 °C
Head temperature	-40 to +95 °C (no vacuum) -40 to +90 °C (vacuum)
Storage temperature	-20 to +70 °C
Humidity	up to 80% non-condensing
Clean room compatibility	ISO 8
Weight	~60 kg
Control Cube dimensions	approx. 930 × 630 × 560 mm
Rack-based architecture (19")	with integrated electronic
Four LEDs per optical head	are oriented at ±30° with respect to the sun sensor, covering the four angular combinations in both X and Y axes
Comm. Interface	Ethernet (CCSDS C&C protocol)



## Mechanical Interface



## Compliance & Safety

IEC 61010-1 (Electrical safety) compliant

IEC 61326-1 (EMC) compliant

IEC/EN 62471 (Photobiological safety, Risk Group 2)

CE, UL and CSA marking compliant