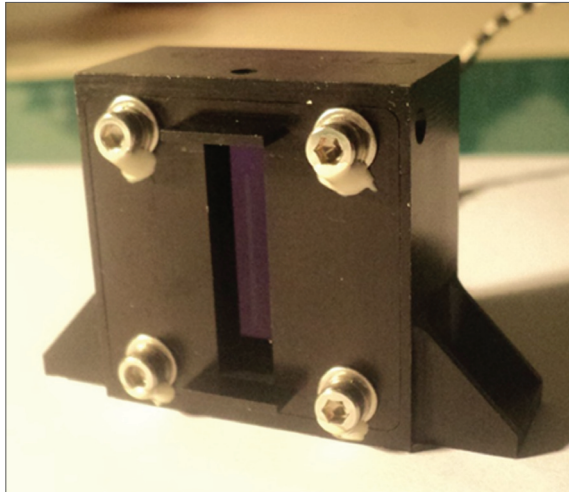




**ANTRIX CORPORATION LTD.**  
A "Mini Ratna" Company



Solar Panel Sun Sensor (SPSS)

The Laboratory for Electro-Optics Systems (LEOS) of Indian Space Research Organisation (ISRO) is responsible for design, development and production of electro-optic sensors and optics for spacecraft use.

Solar Panel Sun Sensor is a single axis Sun sensor with proven survivability in applications involving large temperature excursion. The sensor has good accuracy and linearity.

The sensor head contains an optical block with slit and triangular pattern. Detector used is solar cell. The output from the sensor is current which can be processed to get sun angle information.

## SPECIFICATIONS

<b>Measurement range</b>	± 45°
<b>Linear range</b>	± 25°
<b>Sun presence range</b>	± 48°
<b>CFOV range</b>	± 30°
<b>Accuracy</b>	± 0.5°
<b>Size</b>	50 x 35 x 20mm
<b>Weight</b>	45 g
<b>Operating Temperature</b>	-175° to +125° C
<b>Vibration level</b>	14.25 grms

## HERITAGE

More than 200 numbers flown in GEO & LEO spacecrafts