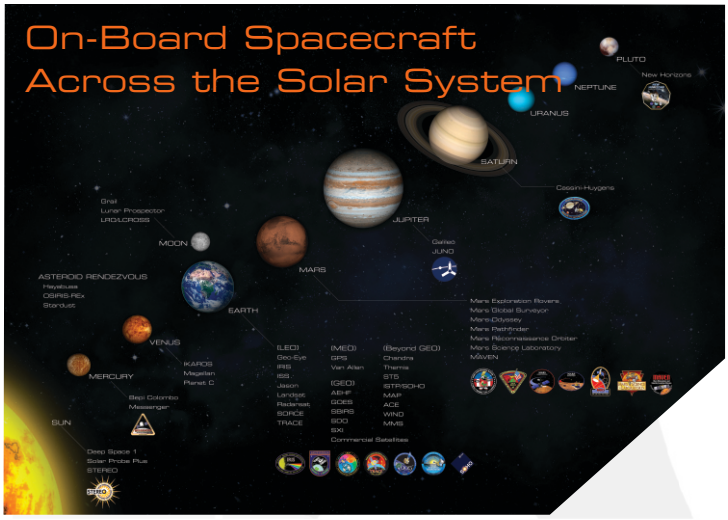
ADCOLE MARYLAND AEROSPACE

High Reliability
Spacecraft Solutions

Fine Sun Sensor
Rad-Hard Hi-Rel

Adcole Fine Sun Sensors are used in attitude control applications where sub-arcminute accuracy and millidegree angular resolution are required. Adcole Fine Sun Sensors are designed in single or two-axis configurations. Each sensor can be custom designed to meet specific performance requirements for Field of View (FOV), accuracy, resolution, and other key parameters.

Hundreds of Missions



Specifications

Fine Sun Sensor (±50°)

Adcole Fine Sun Sensors have flown on more than 100 spacecraft; applications include high accuracy attitude determination, payload instrument pointing, and gyro updates.

Parameters:

Field of View:	100° x 100° (each sensor)
Accuracy:	±0.01° to ±0.05°
LSB Size:	0.001° to 0.004

Configuration:

Number of Measurement Axes: 1 (each sensor)

Note: The two sensors can be mounted orthogonally and together function as a 2-axis sun sensor.

Number of Sensors: 2

Note: Additional sensors can be paralleled as long as their Fields of View do not overlap.

669 Forest St, Marlborough MA 01752 USA
Tel: 978.485.9100 adcolemai.com email: info@adcolemai.com