



# FINE POINTING SUN SENSOR

## RAD-HARD HI-REL

The Redwire Fine Pointing Sun Sensor offers 2 measurement axes that enable high accuracy attitude determination. The unit is Rad hard to 100 krad (Si).

The Fine Pointing Sun Sensor provides unambiguous sun angle data immediately upon application of power. The Electronics unit contains no software, and performs without any internal forbidden states, latchup, or lost in space conditions. This system has performed reliably for more than 17 years each, for two separate solar observational missions. It is designed for continuous sun-stare operation.



## APPLICATIONS

- + High Accuracy Attitude Determination
- + High Resolution Sun Pointing

## PARAMETERS

<b><math>\pm 4.25^\circ \times \pm 4.25^\circ</math> (Typical)</b>		
Field of View	<b><math>28 \pm 7</math> VDC (Other Ranges Available)</b>	<b>SENSOR 2.1 LB (.95 KG nominal) ELECTRONICS 2.4 LB. (1.08 KG)</b>
	Input Power	Mass
<b>15 TO 20 Arc Sec (Typical)</b>	<b>Differential per RS-422, 8 Bytes (Typical)</b>	<b>SENSOR 6.0" X 3.8" X 2.7" (15x10x7) CM ELECTRONICS 7.9" X 5.0" X 2.3" (20x13x6) CM</b>
Accuracy	Output	Dimensions
<b>0.2 Arc Sec (Typical)</b>		
LSB Size		

Sun Sensors are export controlled through an ECCN (Export Control Classification Number) issued by the United States Department of Commerce, ECCN 7A104. Export shipment requires successful application for an export license.



**MADE IN THE USA**

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## CONFIGURATION

2

Number of Measurement Axes



## MISSION HERITAGE

- + SMM
- + SOHO
- + SORCE
- + GOES 16

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### HERITAGE

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