SCIENCETECH

Designers and Manufacturers of Quality Scientific Instrumentation Since 1985.

Mission Statement: "To serve the New Product Development market in the field of Optical Spectroscopy with dedication, integrity and excellence"

SCI425CMA LARGE AREA REFERENCE DETECTOR

Sciencetech's proprietary wideband detector design comes packaged in our standard "hockey puck" enclosure (2" diameter x 1" high) and is connectorized to be powered directly from the Stanford SR-810/830 type lock-in amplifiers and optimized to utilize the full input range of these lock-ins as a reference detector for Spectral Response, Quantum Efficiency, Constant Photocurrent Measurement in Photovoltaic Testing Systems..

Features of our SCI425CMA:
This detector is not hygroscopic and may be operated indefinitely under normal atmospheric conditions and at temperatures beyond 100^{o}C. A selection of windows is available to limit spectral response.

Calibrtation is supplied with the detector

Our current specifications for Sciencetech's SCI425CMA: subject to change without notice)

Element size:	5 mm dia.	
Spectral responce: (no window ,blackened):	180nm – 2.5 microns	(Quartz Window)
NEP	3.3E-9 Watts	(1Hz bandwidth)
Responsivity:	570-670V/W, 10 Hz	(1Hz bandwidth)
Response Bandwidth	0.5-150Hz	(Typical 3dB points)
Output saturation:	+/- 1.4 V(Stanford overload lights before saturation)	

Power requirements: +/- 15 to +/- 24 volts max @ +/- 8 mA max.
Power connections: (Connectorized for Stanford SR 510/810/830)
DB-9M Pins 2,3,4,5,9 no connection

+V In	Pin 1
-V In	Pin 6
Common	Pin 7
Case GND	Pin 8

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