

Pyroelectric Radiometer:

Qty: One(1) EA

Specifications shall meet the following:

System shall be capable of making measurements of radiometric power in a light beam including:

- 1- Controller with digital Display shall be  $\geq 4$  digits
- 2- Pyroelectric power probe (Shall be Compatible with Controller)
- 3- Optical chopper shall have 15Hz  $\pm$  0.1 Hz
- 4- Analog output option shall have 0 to 9.9V DC
- 5- IR characterization of power probe with absolute radiometric uncertainty shall be less than or equal to  $\pm 1\%$ , 2 sigma

Covering the spectral range of	0.25 to 20 micrometers
Scale ratio accuracy	$\pm 0.1\%$
Electrical substitute accuracy	$\pm 0.1\%$
Measurement range covered	1E-5 W to 9E-2 W
Operating temp. range	0 degrees C to 40 degrees C
Storage temp. range	-20 degrees C to 70 degrees C
Maximum total power	$\geq 100$ mW
Maximum power density	$\geq 200$ mW/cm <sup>2</sup>