

PYRANOMETER

Class II ISO 9060

LP PYRA 03/03AC/03AV

Typical sensitivity: $10\text{mV}/(\text{W}/\text{m}^2)$, output: 4-20mA,

Measuring range: $0 \sim 2000\text{W}/\text{m}^2$,

Operating temperature: $-40^\circ\text{C} \sim 60^\circ\text{C}$,

Fully comply with ISO 9060 second class standards



型號 Model	LP PYRA 03	LP PYRA 03 AC	LP PYRA 03 AV
電源 Power	10...30Vdc	10...30Vdc	10...30Vdc, 15...30Vdc 輸出 0...10Vdc
輸出信號 Output signal	$10\mu\text{V}=1\text{W}/\text{m}^2$ $2000\text{W}/\text{m}^2=0.02\text{V}$	4...20mA $4\text{mA}=0\text{W}/\text{m}^2$ $20\text{mA}=2000\text{W}/\text{m}^2$	0...1Vdc, 0...5Vdc, 0...10Vdc $0\text{Vdc}=0\text{W}/\text{m}^2$ $1/5/10\text{Vdc}=2000\text{W}/\text{m}^2$
靈敏度 Typical sensitivity	$10\mu\text{V}/(\text{W}/\text{m}^2)$	$10\mu\text{V}/(\text{W}/\text{m}^2)$	$10\mu\text{V}/(\text{W}/\text{m}^2)$
阻抗 Impedance	$33\Omega \dots 45\Omega$	$33\Omega \dots 45\Omega$	$33\Omega \dots 45\Omega$
測量範圍 Measuring range	$0 \dots 2000\text{W}/\text{m}^2$	$0 \dots 2000\text{W}/\text{m}^2$	$0 \dots 2000\text{W}/\text{m}^2$
視場 Viewing field	$2\pi\text{sr}$	$2\pi\text{sr}$	$2\pi\text{sr}$
光譜範圍 Spectral field	305nm...2800nm(50%)	305nm...2800nm(50%)	305nm...2800nm(50%)
操作溫度 Operating temperature	$-40^\circ\text{C} \dots +80^\circ\text{C}$	$-40^\circ\text{C} \dots +80^\circ\text{C}$	$-40^\circ\text{C} \dots +80^\circ\text{C}$
響應時間(95%) Response time (95%)	<30 sec	<30 sec	<30 sec
熱輻射響應(200W/m ²) Response to thermal radiation (200W/m ²)	25W/m	25W/m	25W/m
溫度變化的響應5K/h Response to temperature change 5K/h	$< \pm 6\text{W}/\text{m}^2$	$< \pm 6\text{W}/\text{m}^2$	$< \pm 6\text{W}/\text{m}^2$
一年後非穩定性 Non stability over 1 year	$< \pm 2.5\%$	$< \pm 2.5\%$	$< \pm 2.5\%$
非線性 Non linearity	$< \pm 2\%$	$< \pm 2\%$	$< \pm 2\%$
餘弦響應 Spectral selectivity	$< \pm 22\text{W}/\text{m}^2$	$< \pm 22\text{W}/\text{m}^2$	$< \pm 22\text{W}/\text{m}^2$
光譜選擇 Response with regard to temperature	$< \pm 7\%$	$< \pm 7\%$	$< \pm 7\%$
溫度響應 Tilt-response	<8%	<8%	<8%
Tilt響應 Risposta in funzione del Tilt	$< \pm 4\%$	$< \pm 4\%$	$< \pm 4\%$
連接線 Cable	CP AA1.5(5m)/CP AA1.10(10m)	CP AA1.5(5m)/CP AA1.10(10m)	CP AA1.5(5m)/CP AA1.10(10m)