

# PYRANOMETER

## Class II ISO 9060

### LP PYRA 03/03AC/03AV

Typical sensitivity : 10M/(W/m<sup>2</sup>) · output : 4-20mA ·

Measuring range : 0~2000W/m<sup>2</sup> ·

Operating temperature : -40°C~60°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<br>Output signal   | 10μv=1W/m <sup>2</sup><br>2000W/m <sup>2</sup> =0.02V | 4...20mA<br>4mA=0 W/m <sup>2</sup><br>20mA=2000W/m <sup>2</sup> | 0...1Vdc,0...5Vdc,0...10Vdc<br>0Vdc=0W/m <sup>2</sup><br>1/5/10Vdc=2000W/m <sup>2</sup> |
| 靈敏度 Typical sensitivity   | 10μV/(W/m <sup>2</sup> )                              | 10μV/(W/m <sup>2</sup> )  | 10μV/(W/m <sup>2</sup> )  |
| 阻抗 Impedance  | 33Ω ... 45Ω   | 33Ω ... 45Ω   | 33Ω ... 45Ω   |
| 測量範圍 Measuring range  | 0...2000W/m <sup>2</sup>                              | 0...2000W/m <sup>2</sup>  | 0...2000W/m <sup>2</sup>  |
| 視場 Viewing field  | 2πsr  | 2πsr  | 2πsr  |
| 光譜範圍 Spectral field   | 305nm...2800nm(50%)                                   | 305nm...2800nm(50%)   | 305nm...2800nm(50%)   |
| 操作溫度 Operating temperature  | -40°C...+80°C   | -40°C...+80°C   | -40°C...+80°C   |
| 響應時間(95%) Response time (95%)   | <30 sec   | <30 sec   | <30 sec   |
| 熱輻射響應(200Wm <sup>2</sup> )<br>Response to thermal radiation (200Wm-2) | 25W/m   | 25W/m   | 25W/m   |
| 溫度變化的響應5K/h<br>Response to temperature change 5K/h                    | <±6 W/m <sup>2</sup>                                  | <±6 W/m <sup>2</sup>  | <±6 W/m <sup>2</sup>  |
| 一年後非穩定性 Non stability over 1 year                                     | <±2.5 %   | <±2.5 %   | <±2.5 %   |
| 非線性 Non linearity   | <±2 %   | <±2 %   | <±2 %   |
| 餘弦響應 Spectral selectivity   | <±22 W/m <sup>2</sup>                                 | <±22 W/m <sup>2</sup>   | <±22 W/m <sup>2</sup>   |
| 光譜選擇 Respond with regard to temperature                               | <±7 %   | <±7 %   | <±7 %   |
| 溫度響應 Tilt-response  | <8%   | <8%   | <8%   |
| Tilt響應 Risposta in funzione del Tilt                                  | <±4 %   | <±4 %   | <±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)   |