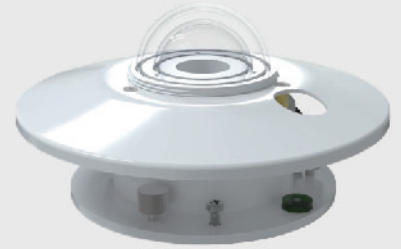


- The total solar radiation transmitter adopts thermoelectric principle.
- The induction element adopts wound electroplated thermopile with high measurement accuracy.
- Using the thermal effect of radiation, it absorbs solar radiation and converts it into temperature difference electromotive force.
- With temperature compensation function, it can accurately measure solar radiation.
- The light transmittance is up to 95%. The transparent double-layer glass cover has good sensitivity. Special surface treatment to prevent dust adsorption.
- The spectral range is 0.3~3 μ m.
- Short response time, small error and temperature compensation. Is more accurate in measure range.



SPECIFICATION

- | | |
|--|---|
| ◆ Consumption Voltage: 24Vdc | ◆ Directional Corresponding Error: $\leq \pm 30W/m^2$ |
| ◆ Power Consumption 0.7W | ◆ Temperature Response Error: $\leq \pm 3\%$ |
| ◆ Current Output: | (-30 $^{\circ}C \sim +50^{\circ}C$) |
| ◆ Voltage Output: 0.22W | ◆ Spectral Range: 0.3~3 μ m |
| ◆ Operating Temperature: -40 $^{\circ}C \sim +60^{\circ}C$ | ◆ Measurement Range: 0-2000W/m 2 |
| ◆ Operating Humidity: 0%RH~95%RH (non-condensing) | ◆ Resolution: 1W/m 2 |
| ◆ Sensitivity: 7~14 $\mu V \cdot W^{-1} \cdot m^2$ | ◆ Accuracy: $\pm 3\%$ |
| ◆ Internal Resistance: 200-400 Ω | ◆ Annual Stability: $\leq \pm 3\%$ |
| ◆ Response Time (95%): $\leq 30s$ | ◆ Cosine Response Error: $\leq \pm 5\%$ |
| ◆ Nonlinear Error: $\leq \pm 3\%$ | ◆ Tilt Response Error: $\leq \pm 2\%$ |
| | ◆ Zero Drift: $\leq 6 W/m^2$ |

ORDER INFORMATION

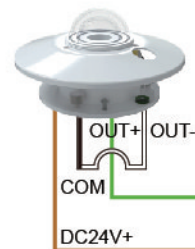
TRA - Code1 - AL
(Aluminum shell)

Code1	Output Signal
2A6	4~20mA Current
DV4	0~10V Voltage

WIRING CONNECTION

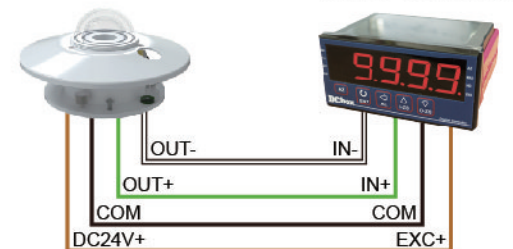
- Power Brown: +24Vdc
Black: COM
- Signal Green: OUT+
White: OUT-

● 2 Wire



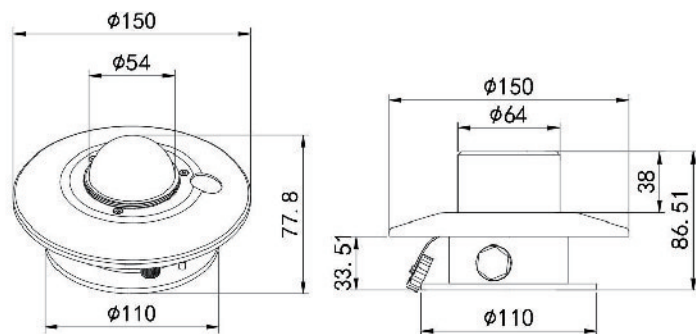
Meter (ex:MA4)

● 4 Wire



Meter (ex:MA4)

DIMENSION



INSTALLATION

