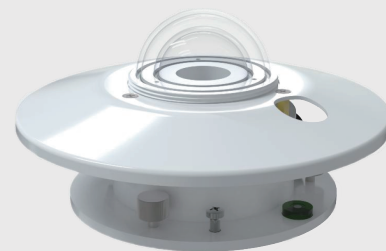


- The total solar radiation transmitter adopts thermoelectric principle.
- The induction element adopts wound electroplated thermopile with high measurement accuracy.
- Using the thermal effect of radiation, it absorbs solar radiation and converts it into temperature difference electromotive force.
- 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

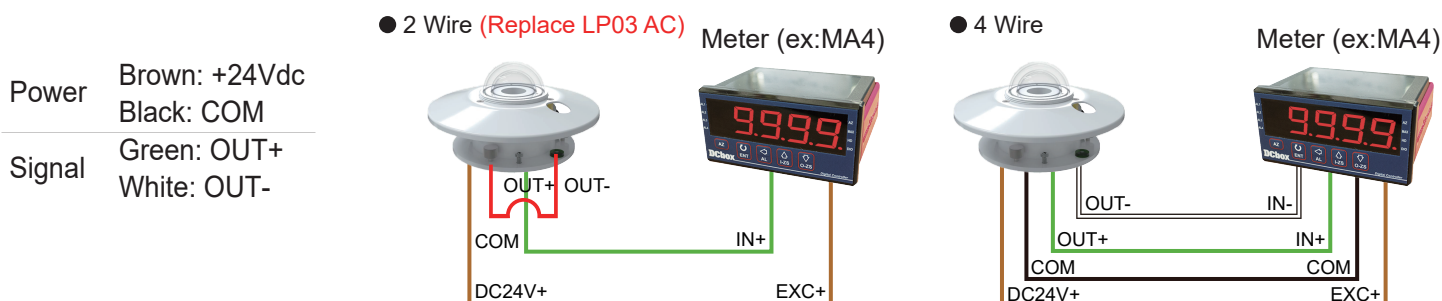
◆ Consumption Voltage:	24Vdc	◆ Directional Corresponding Error:	$\leq \pm 30 \text{ W/m}^2$
◆ Power Consumption	0.7W	◆ Temperature Response Error:	$\leq \pm 3\%$
◆ Current Output:			(-30°C~+50°C)
◆ Voltage Output:	0.22W	◆ Spectral Range:	0.3~3 μ m
◆ Operating Temperature:	-40°C~+60°C	◆ Measurement Range: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

ORDER INFORMATION

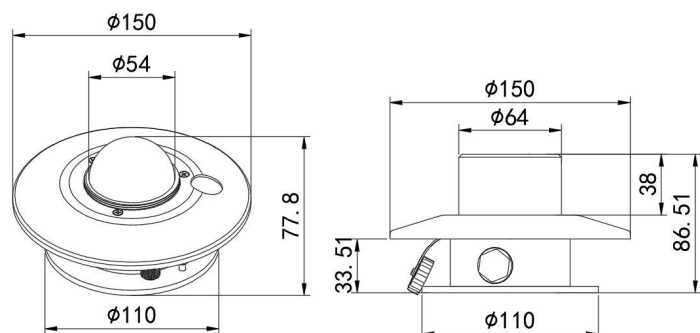
TRA - Code1 - AL
(Aluminum shell)

Code1	Output Signal
4A6	4~20mA Current
4V4	0~10V Voltage

WIRING CONNECTION



DIMENSION



INSTALLATION

