



**TOIP** Pty  
Ltd  
Telemetry Over Internet Protocols

# RK200-07 UV Sensor

The RK200-07 is an ultra-violet radiation sensor with an SDI-12 interface. It features a silicon cell measuring element and measures radiation in the range 280-400nm, which covers UV A and UV B.

## SDI-12 UV Radiation

The RK200-07 ultra-violet radiation sensor can be used wherever monitoring of the effects of UV on the human body, on plants, chemistry or materials, is required.

The RK200-07 utilises a cost effective silicon cell to measure radiation levels.

The RK200-07 is a narrow spectrum sensor with a range from 280 to 400nm and an output of 0-200 W/m<sup>2</sup>. Incoming light is passed through a teflon diffuser to the sensing element.



Parameter	Specification
Power Supply	12 to 24 V DC
Spectral Range	280 to 400 nm
Range	0 to 200 W/m <sup>2</sup>
Response Time (95%)	< 1 sec to 99%
Directional Error	< 4% for 0 to 30 degrees
Accuracy	+/- 5% of reading
Temperature Response	+/- 0.08% per °C
Stability	+/- 2% per year
Operating Range	-40 to + 85 °C
Weight	0.42 kg

## Ordering

RK200-07                      SDI-12 Ultra-Violet radiation sensor

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