



TOIP Pty
Ltd
Telemetry Over Internet Protocols

RK200-07 PAR Sensor

The RK200-02 is an photosynthetically active radiation (PAR) sensor with an SDI-12 interface. It features a silicon cell measuring element and measures radiation in the range 400-700nm, which covers the range of light responsible for photosynthesis in plants.

SDI-12 PAR

The RK200-02 photo-synthetically active radiation sensor can be used in studies examining the physiology and growth of plants.

The RK200-02 utilises a cost effective silicon cell to measure radiation levels.

The RK200-02 is a narrow spectrum sensor with a range from 400 to 700nm and an output of 0-2000 W/m². Incoming light is passed through a teflon diffuser to the sensing element.



Parameter	Specification
Power Supply	12 to 24 V DC
Spectral Range	400 to 700 nm
Range	0 to 2000 W/m ²
Response Time (95%)	< 1 sec to 99%
Directional Error	< 4% for 0 to 30 degrees
Accuracy	+/- 5% of reading
Temperature Response	+/- 0.05% per °C
Stability	+/- 2% per year
Operating Range	-40 to + 60 °C
Weight	0.42 kg

Ordering

RK200-02 SDI-12 Photo-synthetically active radiation sensor

TOIP Pty Ltd

58 George St MOONTA SA 5558 AUSTRALIA

Email: sales@toip.au Web: <https://toip.au>

Phone: 08 8825 1208 Mob 04 9805 3413