



## RSB-01 Rotating Shadow Band

### Technical Specifications

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Measure components (DNI/GHI/DHI)

Set-up horizontal or POA

All weather solution

Reliable and robust design, maintenance free

GPS receiver for easy set-up

For spectral measurement of the three irradiance components (DNI, GHI, DHI) we took a different approach. A spectroradiometer with rotating Shadow Band (RSB) is an attractive alternative to a conventional 3 component sun tracker system. Just one spectroradiometer used for all measurements lowers the costs associated with the instrumentation required. Accurate DNI measurements can be obtained from a MS-711 Global spectroradiometer with RSB comparing with the MS-711 DNI spectroradiometer on a sun-tracker. The comparison between the outputs spectral DNI from the two configurations reveals a consistency in the method and the measurements of all 3 irradiance components. EKO will provide the RSB solution for all spectroradiometer models.

	<b>RSB-01</b>
<b>Compatible sensors</b>	MS-711 (MS-700/701/710/700N/712)
<b>FOV Aperture</b>	5 °
<b>Measurement time Interval</b>	60 s
<b>Operating temperature range</b>	-20 - 50 °C
<b>Power supply</b>	100 - 230 VAC
<b>Power consumption</b>	8 - 15 W
<b>Dimensions mm</b>	W 680 x L 170 x H 260 mm
<b>Weight</b>	13 kg
<b>Communication</b>	RS-422 to USB

Specifications are subject to change without further notice.