

Sun Tracking System DNI + DHI

From sun rise to sun set: ISO 9060 First Class MS-57 pyrhelimeter and a shaded ISO 9060 Secondary Standard MS-80A pyranometer and a second MS-80A pyranometer



Description

- EKO Instruments high precision sun trackers provide high tracking reliability, enhanced functionality with fully automated set up procedure through a built-in GPS receiver.
- The compact sun trackers are perfectly suited to support all kinds of measurement sensors to measure global, diffuse and direct radiation.
- The sun trackers come with a small tripod that offers a stable surface for the measurement equipment and adjustable pyrhelimeter mount for the fine alignment.

From sun rise to sun set the compact EKO sun tracker guarantees accurate sun tracking and pointing of the attached solar sensors. Each system is equipped with an ISO 9060 First Class MS-57 pyrhelimeter to measure direct normal irradiation. For measuring diffuse horizontal irradiation, the system is equipped with a shaded ISO 9060 Secondary Standard MS-80A pyranometer. The fully equipped system comes with a second MS-80A pyranometer for measuring global horizontal irradiation. According to your requirements the sun tracking system can be complemented with an Ammonit Meteo-40 plus data logger, as well as an external power supply and communication system.

Specifications

System configuration

System	DNI Measurement	DNI + DHI Measurement	DNI + DHI + GHI Measurement
Order No.	S64911	S64921	S64931
Description	Sun tracking system for DNI	Sun tracking system for DNI and DHI	Sun tracking system for DNI and DHI and GHI
Components	<ul style="list-style-type: none"> • Single arm tracker with GPS receiver and table tripod • First Class pyrheliometer MS-57 for DNI 	<ul style="list-style-type: none"> • Single arm tracker with GPS receiver, table tripod and shading disc • First Class pyrheliometer MS-57 for DNI • Secondary Standard pyranometer MS-80A for DHI 	<ul style="list-style-type: none"> • Single arm tracker with GPS receiver, table tripod and shading disc • First Class pyrheliometer MS-57 for DNI • Secondary Standard pyranometer MS-80A for DHI • Secondary Standard pyranometer MS-80A for GHI