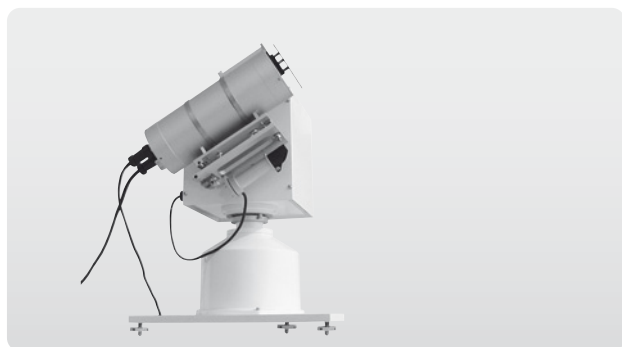


PGS-100



PGS-100 is a sun photometer mounted on a dedicated sun tracker. It uses a solid state spectrometer with a CCD detector array to measure the direct solar radiation in the wavelength range 350 nm to 1050 nm. The only maintenance is to periodically clean the optical windows and check the desiccant in the radiometer. The sun tracker has a base with levelling feet and a sun sensor for active tracking. Installation is quick and simple.

PGS-100 must be connected to a PC running the operating software in order to make measurements and store data. The software allows selection of the spectrum acquisition modes and graphically displays the stored results. The data can be post-processed by the user (software not provided) to derive atmospheric parameters such as energy distribution, optical depth, aerosol properties and gas absorption.

Article

Part number

PGS-100 Sun Photometer full spectrum, 350 - 1050 nm

3307006

Distribution

PGS-100 is designed and produced by **Prede Co. Ltd** of Tokyo and is distributed exclusively by Kipp & Zonen worldwide (with the exception of Japan, Korea and India)

Specifications

Measurement principle	Solid state grating spectrometer
Detector	Silicon CCD array
Sun tracker	Integrated, with sun sensor
Supply voltage	115/230 VAC, 50/60 Hz (standard), 24 VDC (option)
Operating temperature range	-30 °C to +35 °C
Wavelength range	350 nm to 1050 nm
Wavelength accuracy	0.5 nm
Half-power bandwidth	3.6 nm
Full opening view angle	2 °
Communication	RS 232 to PC (not included) running operating software
Software, Windows™	Configuration, operation, data storage, graphical display