

SUT-1711

<https://www.gigahertz-optik.com/en-us/product/sut-1711/>

Product tags:



Description

Compact sun tracker design

The SUT-1711 is a compact sun tracker for worldwide use under all weather conditions. It is equipped with a tripod stand and a spirit level for adjustment.

Payload designed for single devices

The accurate motion system does not require maintenance. The maximum payload depends on the resulting leverage and is typically limited to 8 kg. The unit is perfectly suited for use with the BTS2048-xx-WP series spectroradiometers.



SUT-1711 equipped with BTS2048-UV-S-WP and tube for direct sun measurement

Fine sun tracking accessory

For extended accuracy sun tracking a direct sun sensor with integrated GPS receiver and four quadrant diode can be used (accessory SUT-Z01). This system automatically configures location and provides precise time information. This sensor is usually connected with the measurement device and communicates via the application software supplied with the sun tracker.

Software controlled



The SUT-1711 can be controlled by a software development kit (SDK) or by the application software of the attached Gigahertz-Optik measurement device (e.g. BTS2048-xx-WP series). The software automatically controls the SUT-1711 in order to track the sun position depending on the GPS position and time. For even more precise control and automatic setup the fine sun tracking accessory SUT-Z01 is recommended.

Specifications

General	
Short description	Sun tracker, perfectly suited for the BTS2048 WP series
Main features	Compact Design, accessory for very fine sun positioning available, software controlled
Measurement range	Worldwide suntracking
Typical applications	Sun tracking with the BTS2048 WP series for direct solar spectral irradiance measurements
Calibration	No calibration needed
Product	

Resolution	Pan resolution of 0.006° Tilt resolution of 0.003°
Miscellaneous	
Housing	IP67
Temperature range	(-30 to 70) °C
Weight	Load: 5.5 kg

Configurable with

Product Name	Product Image	Description	Go to product
BTS2048-VL-TEC-WP		Outdoor Spectroradiometer for Solar VIS measurements	https://www.gigahertz-optik.com/en-us/product/bts2048-vl-tec-wp/
BTS2048-UV-S-WP		Spectroradiometer ideal for high precision outdoor UV measurements	https://www.gigahertz-optik.com/en-us/product/bts2048-uv-s-wp/

Purchasing information

Article-Nr	Modell	Description
Product		
15309077	SUT-1711	Sun tracker
Accessories		
15309861	SUT-Z01	Fine sun tracking unit (4 quadrant diode with GPS)
15307929	BTS2048-XX-WP-Z02	Tube for the measurement of the direct solar irradiance
15309878	BTS2048-XX-WP-Z11	Adapter for a BTS2048-XX-WP

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