AUTOMATIC PYRANOMETER CLEANING ROBOT

SunSight

Model IT4

Fully automated pyranometer cleaner designed to prevent soil deposition on field sensors, ensuring precise and consistent irradiance readings.



Did you know?

Soil deposited over a pyranometer modifies any irradiance reading, giving an inaccurate PV performance calculation.

Complies with the weekly cleaning requirement of the **IEC standard** for **Class A PR** calculation

Key Features

Dry Cleaning

Uses Inti Tech cleaning brush for an effective and safe soil removal.

For Independent Mountings

In trackers, soiling stations and weather stations.

Programming

Program cleaning schedules, access data, and track system status directly at the control unit* or via the cloud-based Inti-Core platform.

Compatibility

Adjustable brush arm length to accommodate different pyranometer models.

Data Collection

Captures and transmits irradiance data from up to two mounted pyranometers**.

* IT Gateway Control Unit sold separately. ** Pyranometers not included

INTI TECH

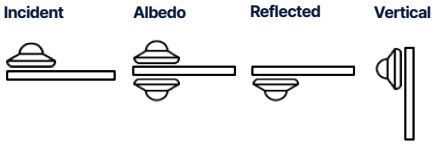
TECHNICAL SPECIFICATIONS

Clean Dome
Clear Data



Nominal input voltage	**24 VDC**
Supply type	**PV or 24V Power Supply**
Nominal current	**2 A**
Communication	Wireless
Band frequency	900 Mhz
Transmission range	1 km
Protection	Dust and waterproof
Cleaning cycle duration	Default: ~3 min (adjustable)
Net weight	12 kg
Mounting method	Custom

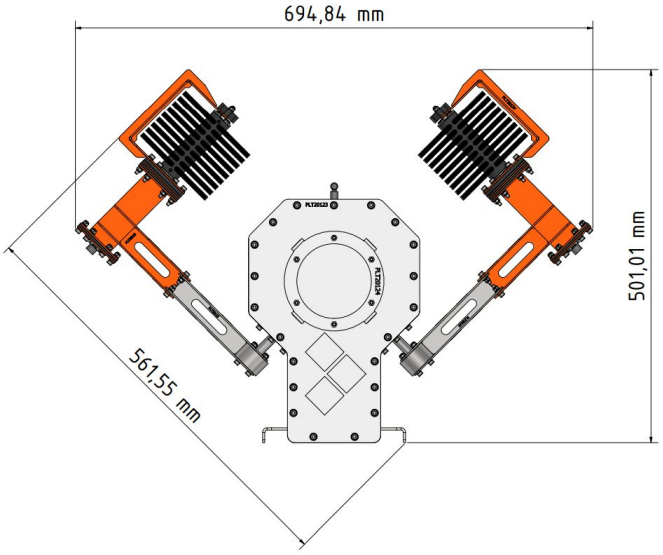
Feasible Pyranometer Orientation

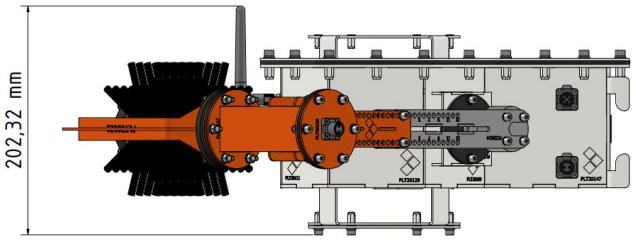


Feasible Structures

- Trackers
- Independent structures
- Weather stations

General Dimensions





© INTI TECH · Made in Chile · Technical information for reference only · Rev. 09/2026 · 02 / 02