



— an OTT HydroMet brand —

# ALL-WEATHER PERFORMANCE. ALWAYS CONFIDENT.

The new SMP12: Pioneering technology to maximize accuracy and minimize maintenance



# CLARITY FOR ALL CONDITIONS

DISCOVER ACCURATE RESULTS - NO MATTER THE WEATHER

## The new SMP12\* Class A pyranometer

**Solar demand is surging. Modern PV plants need fast responding precise solutions that are easy to install and integrate, ones that will last. Sustain your site for the long haul with high-quality components made to endure.**

Discover the design and durability it takes to accurately measure solar irradiance, no matter the weather. The new ISO- and IEC-compliant SMP12 is industry's first Class A Pyranometer that delivers integrated heating with zero moving parts (solid-state technology) and best-in-class surge protection. Empower your performance with complete confidence.

Optimize production and reduce your total cost of ownership. Get all-weather reliability and results with the SMP12.



# KEY BENEFITS SMP12 – TAILOR-MADE FOR SOLAR

## Integrated dome heating for untouchable precision

With an outer dome that maintains a slightly higher temperature than the surrounding air, no morning dew and frost will interfere with the accuracy of your measurements. So you can be fully IEC-61724:2021 compliant.

## Safeguard production with enhanced surge protection

Focus on plant performance without worrying too much about poor grounding, and finicky power sources. Discover leading surge protection that helps you reduce failure risks, escape expensive on-site replacements, and maintain performance.

## Focus on performance, not maintenance

The SMP12 provides all-weather confident monitoring thanks to its industry-first built-in dome heating with no moving parts, and remote internal humidity monitoring - Less maintenance due to solid-state technology and internal drying cartridge that will last 10+ years.

## The right tilt angle for reliable results

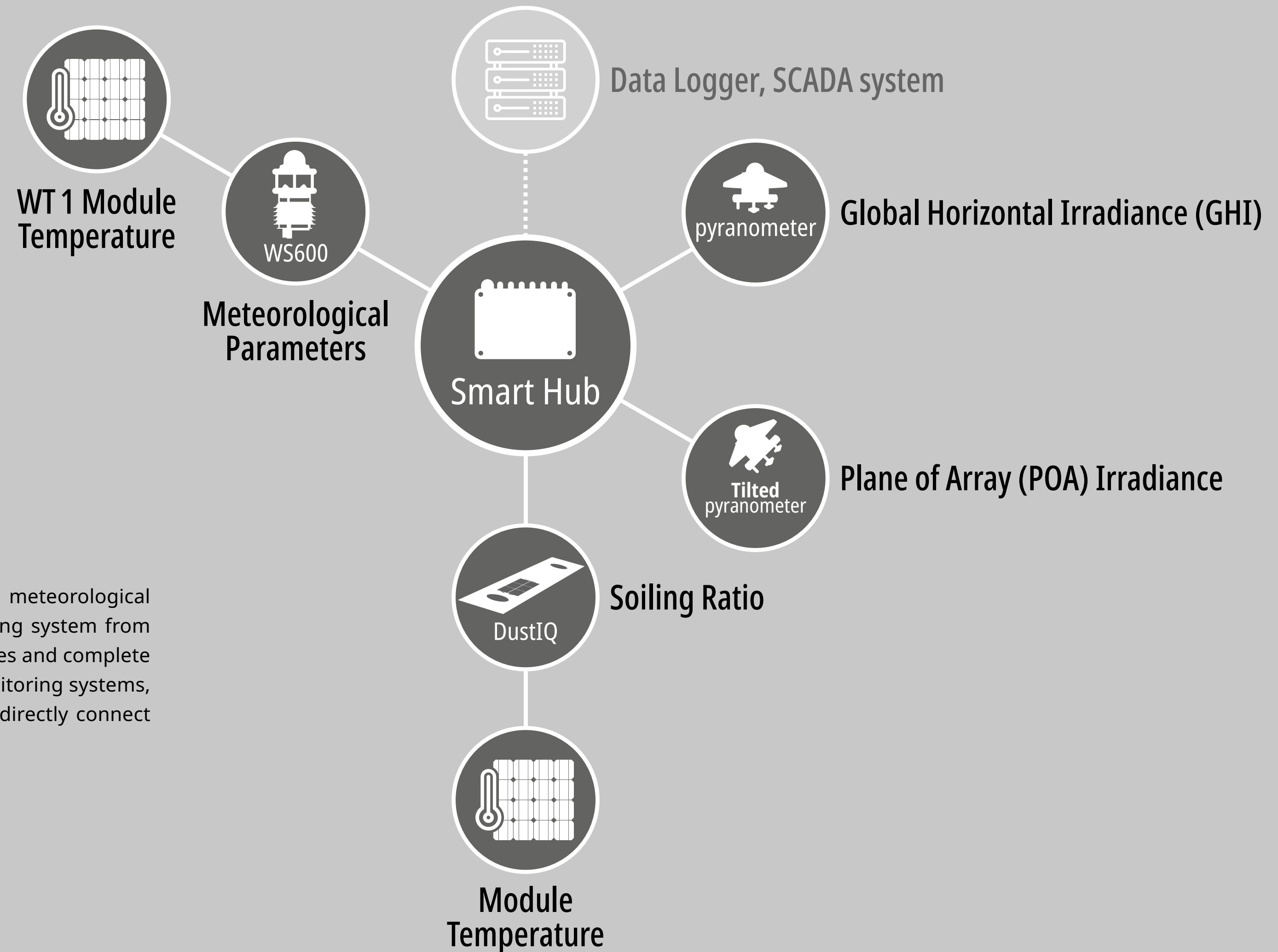
Improve the long-term reliability of your data knowing that the installation angle has remained constant. With the SMP12, you can remotely monitor tilt angle installation down to  $\pm 0.5^\circ$ .

## Easily integrate with all systems

Industry-standard RS-485 connectivity and the Modbus® protocol make it easy to integrate the SMP12 with all your data loggers and SCADA systems.



# FOR ALL YOUR MONITORING NEEDS



## Simplified & integrated experience

Managing multiple vendors, interfaces, and communication maps for meteorological equipment can be a challenge. With a complete environmental monitoring system from OTT HydroMet, you can eliminate a lot of the time spent configuring devices and complete projects faster. Connect your SMP12 and other pyranometers, soiling monitoring systems, and your weather sensors with one output cable from a Smart Hub, or directly connect instruments to your data logger or SCADA system.

# OUR EXPERTS RECOMMEND



## Irradiance Monitoring



- 2 x Kipp & Zonen SMP ISO 9060:2018 fast response spectrally flat Class A smart pyranometers to monitor GHI and POA irradiance. RS-485 Modbus® RTU data communication



## Soiling Monitoring



- Kipp & Zonen DustIQ soiling monitoring system



## Meteorological Monitoring



- WS600 all-in-one smart weather sensor



## Smart (Powered) Hub



The Smart Hub is a passive 6 to 1 hub for 2-wire RS-485 signals allowing connection of several devices to one host. The Smart Powered Hub adds a power supply capable of delivering 24 V and 2.2 A max.

 Click on the products to learn more

# Why choose OTT HydroMet?

## Strong portfolio of products and solutions

Choose from a portfolio of solar sensors such as pyranometers, soiling monitoring systems, and sun trackers from Kipp & Zonen, and weather stations from Lufft, effectively making OTT HydroMet your preferred solution provider for comprehensive environmental monitoring in PV applications.

## Local support and global presence

Quick, convenient, and competent. Get the technical expertise and turnaround times you need with dedicated pre- and post-sale support and services from OTT HydroMet - right in your region.

## Industry preferred

Kipp & Zonen and Lufft are widely trusted brands known for first-class meteorological monitoring, serving as a testament to our reliability and accuracy.

For more information, please contact

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