

## About SICK

From factory automation to logistics automation and process automation, SICK's sensor solutions are keeping industry moving. As a **technology and market leader**, SICK provides **sensor intelligence** and application solutions that create the perfect basis for **controlling processes** securely and efficiently, **protecting individuals** from accidents, and **preventing damage** to the environment.



Founded in 1946 by Dr.-Ing. e. h. Erwin Sick, the company with headquarters in Waldkirch im Breisgau near Freiburg ranks among the technological market leaders. With more than 50 subsidiaries and equity investments as well as numerous agencies, SICK maintains a **presence around the globe**. SICK has almost 12,000 employees worldwide and generated a group revenue of around EUR 2.2 billion in the 2022 fiscal year.

## Renewable energy production and optimized agricultural output with SICK



The energy sector is changing. The percentage of renewable energies in the electricity mix is increasing. In addition, our climate is changing. It becomes warmer and extreme weather conditions increase.

SICK is prepared for this **transformation** and supports solar power plant operators and farmers with sensors to measure plant-related parameters in the field and provide the operator with online cloud-based data to any kind of dashboard.

## Contact

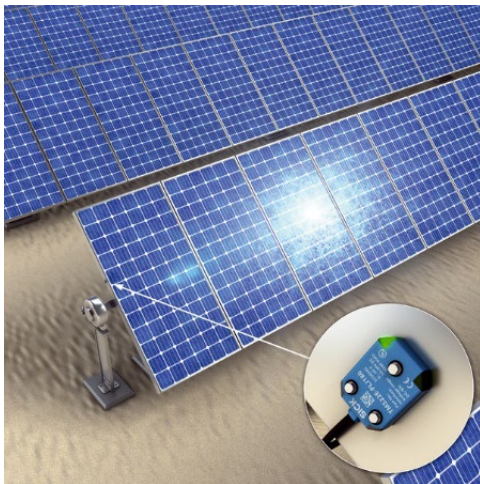
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## Adjusting solar panels to the path of the sun to optimize energy output



The **inclination sensor** of a solar panel system is communicating the actual tilt position of the solar modules to the controller. The **TMS/TMM22** range of inclination sensors provides non-contact inclination measurement with precision, even under tough ambient conditions. The sensors are available for one or two-dimensional measurements and offer high availability with fully encapsulated electronics.



[www.sick.com/power](http://www.sick.com/power)

+ Simplest integration

+ Great precision with excellent cost-effectiveness

+ Consistently precise measured values, even in rough environment



## Measuring agrometeorological data in fields of agriculture

**AgriStick** is a smart agrometeorological device that has integrated 3 temperature sensors for measuring air and soil temperature. In combination with a narrowband network, it transmits the results of all these measurements to a mobile application.

Optional, additional sensors can be attached to device and measure soil humidity, soil fertility, soil pH, soil electrical conductivity and salinity, leaf wetness, air temperature and humidity, amount of precipitation.

Built-in battery, supported by an intelligent control system, guarantees a long service life with minimal maintenance and autonomous operation in rural areas.

