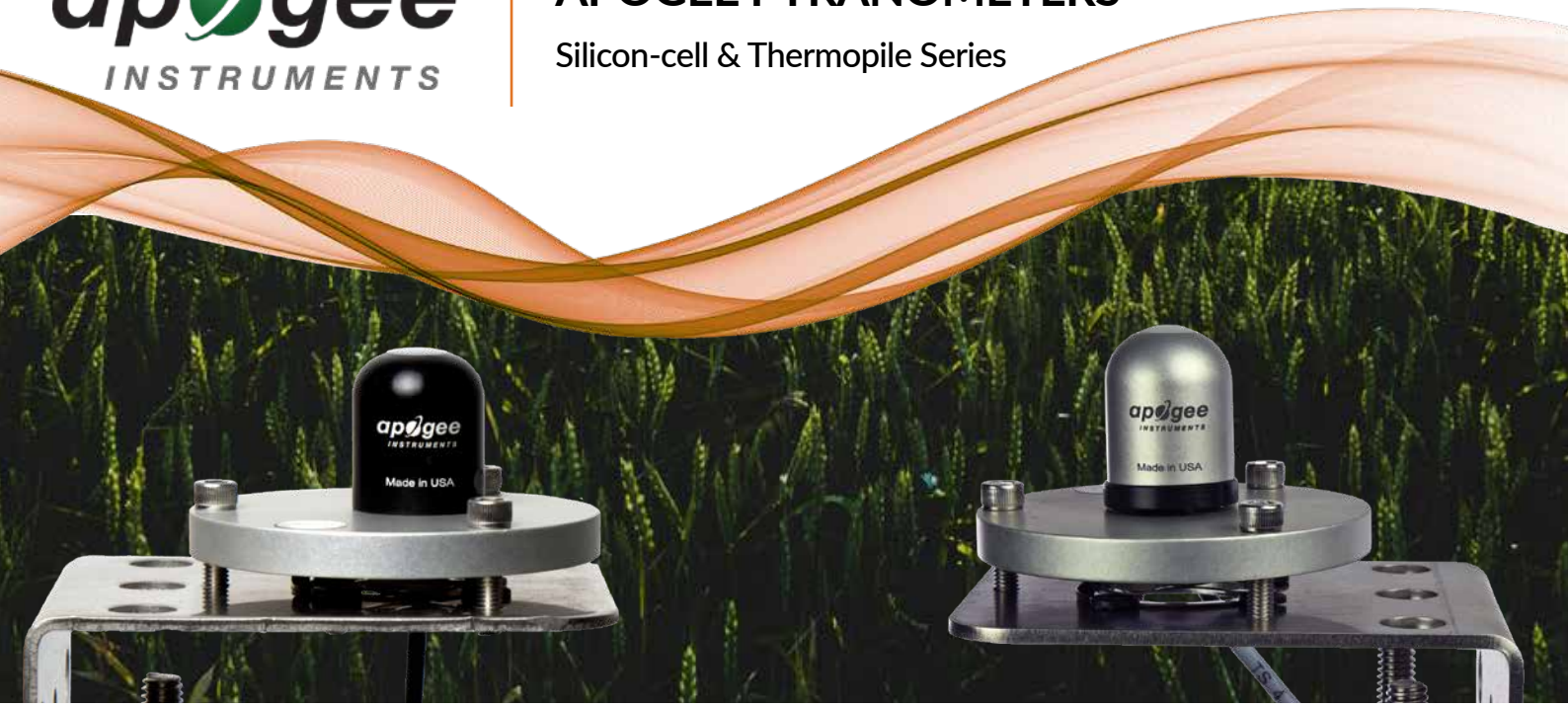
APOGEE PYRANOMETERS

Silicon-cell & Thermopile Series



Features

Apogee offers **silicon-cell** and **thermopile** pyranometers that are both rated ISO 9060:2018 Class C. Our popular silicon-cell models are less expensive and have a faster response time, but can have errors under cloudy conditions. Our thermopile pyranometers feature a unique, cost-effective design with an inexpensive diffuser and blackbody thermopile detector that provides a broader and more uniform spectral response for better performance in all atmospheric conditions.

STABLE MEASUREMENTS

Long-term non-stability determined from multiple replicate pyranometers in accelerated aging tests and field conditions is less than 2 % per year.

UNIQUE DESIGN

An accurate, cosine-corrected patented design sheds water and dirt for a self-cleaning performance. A heated option is available with a 0.2 W heater to minimize errors caused by dew, frost, or snow.

TYPICAL APPLICATIONS

- Solar panel arrays
- Agricultural, ecological, and hydrological weather networks

CALIBRATION TRACEABILITY

Apogee SP series pyranometers are calibrated through side-by-side comparison to the mean of four transfer standard sensors under a reference lamp. The reference sensors are recalibrated under sunlight in Logan, UT traceable to the World Radiometric Reference (WRR) in Davos, Switzerland.

SP-522

SP-110