

Why the WS J-Series

The proven WS platform, upgraded

The J-Series is the WS platform you already run, upgraded. Same mounting, same wiring, same integration, same price. What changes is inside it.

SIX REASONS TO MOVE TO THE J-SERIES

1 Standards compliance built in

Full IEC 61724-1:2021 compliance for the met parameters, supporting Class A monitoring system classification. WMO compliant wind gust. WMO Synop 4680 WaWa present weather codes on the radar precipitation models.

3 Twelve times faster

The update interval comes down from 1 minute to 5 seconds. Tracker stow, winter treatment calls and control actions are taken on conditions as they are, not on a minute-old average.

5 Wind direction offset

Apply a software offset to wind direction to correct for deliberate sensor misalignment at installation, where the mounting position is fixed by the structure rather than by north.

2 Heating you can verify

The station measures and reports its own heating supply voltage, so a failing or under-powered heater is visible rather than hidden. Heating powers down automatically on over-voltage.

4 SDI-12 now read and write, MODBUS unchanged

SDI-12 moves from a read-only implementation to read and write, so the station configures over the same interface it reports on. UMB and MODBUS are unchanged.

6 Better pyranometer integration

Improved ADC hardware for Kipp & Zonen CMP pyranometer integration on the WS501-J and WS510-J.

WHAT DOES NOT CHANGE

- Mounting, wiring and connector
- The parameter set of every model
- Accuracy specs across the range
- IP66, -50 to +60 °C operating
- UMB, SDI-12 and MODBUS
- **Your pricing**

MODEL QUICK-PICK

WS200-J

Wind only sites and gust reporting

WS500-J / WS510-J

The core met and research workhorse, with radiation on the 510-J

WS600-J / WS601-J

Road weather and met networks needing precipitation (600-J radar, 601-J gauge)

WS700-J

Single unit met with radar precipitation and general radiation

WS800-J

Flagship sites, the widest parameter set, with lightning