

2AP



2AP is the high-end market leader for all conditions. It has proven performance in the harshest climates. High power motors and precision gear drives have the torque to break ice and to operate in high winds. Options enable operation down to -50 °C. After setup using Win2AP software and a PC, operation is stand-alone. The accessory heavy duty tripod stand provides a very stable mounting for the tracker.

No instrument mountings are included as standard, but a wide range of mounting kits is available for pyrheliometers and other radiometers. A shading assembly is available for measuring diffuse radiation and an optional active-tracking sun sensor corrects for internal clock drift or movement of the support platform. 2AP has the power to carry large numbers of instruments and loads up to 65 kg.

Specifications	
Pointing accuracy	< 0.05 °
Torque	40 Nm
Payload (balanced)	65 kg
Supply voltage	24 VDC only or 115/230 VAC, 50/60 Hz only
Power	50 W 150 W with optional heater operating
Operating temperature range	0 °C to +50 °C -20 °C to +50 °C with optional cold cover -50 °C to +50 °C with optional heater and cold cover
Transmission	Worm and bevel gear
Location, time/date information and setup	Manual, by Win2AP software and PC (PC not included)
Mounting base	Flat base plate (optional heavy duty tripod stand)
Zenith axis fittings	Two small side plates standard, no mounting kit
Heater for low temperature operation	Optional
Communication	RS 232 and Win2AP software for PC (PC not included)

Article	Part number
2AP Sun Tracker 115/230 VAC With 2 x small side mounting plates, no mountings	0353900
2AP Sun Tracker 24 VDC With 2 x small side mounting plates, no mountings	0353902

Accessories for 2AP	Part number
Sun Sensor Kit for active tracking	0353720
Heater Kit 115/230 VAC for operation to -50 °C (cold cover needed)	0353741
Heater Kit 24 VDC for operation to -50 °C (cold cover needed)	0353743
Cold Weather Cover extends operating temperature to -20 °C	12103152
Tripod Floor Stand heavy duty, height 0.45 m	0353710
Height Extension Tube For tripod stand, extends height by 0.60 m	0353750
CHP 1 Mounting Kit To fit 1 x CHP 1 pyrheliometer to standard small side plate	0367710
Tilted CMP Pyranometer Mounting Kit To mount a CMP series pyranometer to the side plate of the 2 AP	0367713
Large Side Mounting Plate With fittings for 2 x CHP 1 or 1 x CHP 1 and sun sensor	0353700
Shading Ball Assembly Including 3 shading balls, rear plate and 2 x large side plates	0367705
Adapter Kit To fit radiometers on rear plate without or CVF 3 ventilation units	0353706
PMO 6 Mounting Kit To fit 1 x PMOD-WRC PMO 6 absolute cavity pyrheliometer	0367704
SPO2 Mounting Kit To fit 1 x Middleton Solar SPO2 (-L) sun photometer	0353763
HF/AHF Mounting Kit To fit 1 x Eppley HF or AHF absolute cavity pyrheliometer	0367706
PFR Mounting Kit To fit 2 x PMOD-WRC Precision Filter Radiometers (PFR)	0353795
NIP Mounting Kit to fit 4 x Eppley NIP pyrheliometers	0353796