

Comparing features from AcuRite® 5-in-1, AcuRite® Atlas™, & AcuRite® Atlas Elite™



5-in-1



Atlas



Atlas Elite

The AcuRite® Atlas™ family of products helps people better understand outdoor conditions in their specific environment. Building on our history of monitoring temperature, humidity, wind, and rain, the AcuRite® Atlas™ family expands into greater accuracy and new core capabilities, allowing users to track UV exposure, light intensity, and risk associated with lightning.

Operating Range			
	5-in-1	Atlas 7/8	Atlas Elite
Outdoor			
Temperature	-40 to 158°	-40 to 158°	-40 to 158°
Humidity	1 to 99%	1 to 100%	1 to 100%
Wind Speed	0 to 99 mph	1 to 200 mph	1 to 200 mph
Wind Direction	16 points	0 to 360°	0 to 360°
Rain	.01 inch intervals	.01 inch intervals	.01 inch intervals
UV Index	n/a	0 to 16	0 to 16
Light Intensity	n/a	0 to 120,000 lm	0 to 120,000 lm
Lightning	n/a	up to 25 miles*	up to 25 miles
Wireless Range	up to 330 feet	up to 330 feet	up to 1000 feet
RF Signal	433 MHz	433 Mhz	915 MHz

*Available in Atlas 8 only

Update Intervals in Seconds			
	5-in-1	Atlas 7/8	Atlas Elite
Outdoor			
Wind Speed	18	10	2
Wind Direction	36	30	2
Lightning	n/a	10*	2
Rain	36	30	10
UV Index	n/a	30	30
Temperature	36	30	30
Humidity	36	30	30
Light Intensity	n/a	30	30
*Available in Atlas 8 only			
Indoor			
Temperature	30	30	30
Humidity	30	30	30
Pressure	12 minutes	5 minutes	1 minute

Accuracy			
	5-in-1	Atlas 7/8	Atlas Elite
Outdoor			
Temperature	±2°F	±1°F	±1°F
Humidity	±3%	±2%	±2%
Wind Speed	±10%	±10%	±10%
Wind Direction	±8°	±3°	±3°
Rain	±5%	±5%	±5%
UV Index	n/a	Less than ±5%	Less than ±5%
Light Intensity	n/a	n/a	n/a
Lightning	n/a	n/a	n/a
Indoor			
Temperature	±2°F	±1°F	±1°F
Humidity	±3%	±3%	±2%
Barometric Pressure	±0.15 inHg	±0.09 inHg	±0.09 inHg