

# SnowVue™10

## Product Comparison



	SR50A	SnowVue™10	Benefits
Measurement Range	0.5–10 m	<b>0.4–10 m</b>	Maintains exceptional measurement range in new SnowVue 10
Operating Temperature Range	-45° to +50°C	<b>-45° to +50°C</b>	Maintains exceptional temperature range in new SnowVue 10
Resolution	0.25 mm	<b>0.1 mm</b>	Detects changes 2.5x smaller than previous generation sensor
Accuracy (Full Range)	±1 cm or 0.4% full scale	<b>±0.2% of distance to target*</b>	Offers twice the accuracy of SR50A
Measurement Time	1s	<b>5–20 s</b>	Increased measurement time to reduce noise by over 50%, ensuring steady, robust, and more reliable data
Digital Output	SDI-12, RS-232, RS-485 (Serial)	<b>SDI-12</b>	Simplifies sensor integration into most data-acquisition systems
Sensor Body	Aluminum	<b>Type III hard anodized aluminum</b>	Suitable for deployment in coastal and other corrosive environments
Ingress Protection	No	<b>Yes</b>	Added vapor barrier to reduce amount of moisture and extend sensor service life
Advanced Processing	No	<b>Yes</b>	Resolves weak reflections from snow surface and eliminates errors caused by false reflections
Sensor Diagnostics · Internal RH, Measurement Quality, Supply Voltage, Transducer Health	No	<b>Yes</b>	Provide assurance of normal sensor operation and data accuracy

\*Accuracy specification excludes errors in the temperature compensation. An external temperature compensation is required.