

# Industrial Non-Contact Surface Velocity Radar Sensor Product Specification Sheet



Weight:	1.75lbs
Dimensions:	H= 6.125" W= 6.5" D= 1.5"
Frame Material:	ABS Polycarbonate Blend
Ambient Operating Temp. Range:	-30°C to 70°C (-22°F to 158°F)
Available Frequencies:	24.075 GHz - 24.175 GHz
Speed Measurements:	0.1 to 65 - feet-per-second (fps) 0.1 to 20 - meters-per-second (m/s)
Speed Range:	0.1-65 fps (0.1-20 m/s) 0.1-45 mph (0.1-70 km/h)
Accuracy	"100% accurate with a resolution of $\pm 0.10$ unit of measure. ( $\pm 0.10$ mph), ( $\pm 0.10$ km/h), ( $\pm 0.10$ feet-per-second) ( $\pm 0.10$ meters-per-second) "
Maximum Humidity:	100%
Power Output (EIRP):	+20 dBm
Angle:	Includes cosine correction, allowing the unit to compensate for vertical and horizontal angles

Directional - Toward, Away, or Both

Compact Size

Narrow Beam Width

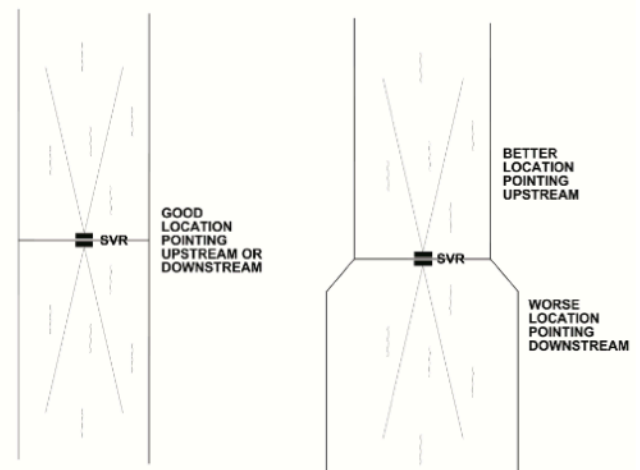
High Speed 24 GHz Sensor

Large Velocity Range 0 to 20 m/s approx. 60ft/s

## Non-Contact Surface Velocity Sensor

SVR Surface Velocity sensor is designed to allow scientists to determine the surface velocity of water in open channels without having to install a sensor in the flow stream. Providing precise speed measurement from a stationary position outside the body of water this is an ideal sensor for hard to reach areas.

The sensor is extremely valuable for measuring water surface velocity during high-velocity flows and flood conditions where using contact measurement instruments poses a safety risk.



ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION, DESIGN OR OTHERWISE. ... It shall be the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.