



## US-2 / RAA

### Ultrasonic Sensor/Right Angle Adapter

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#### Introduction

The Model US-2 is an ultrasonic sensor that, when used with the VERSATEC™ Tension Control, provides non-contact distance measurement.

#### Mechanical installation

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If two or more sensors are mounted in the same area, care must be taken to avoid ultrasonic reflections from one sensor to the other.

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Insert the body of the US-2 through a 30 mm (1.18 inch) diameter hole in a machine frame or mounting bracket. Secure with the two locknuts provided. The sensor is aligned with the target when a distance value is displayed on the VERSATEC screen. If the US-2 is not aligned with the target the display will read \*\*\*\*.

If using the RAA, install locknut, and then screw adapter all the way onto the US-2 and secure with locknut. Rotate the US-2 in its mounting to align to the target. The RAA adds 25.4 mm [1 inch] to the sonic path length.

#### Electrical installation

Connect the leadwires from the US-2 to the VERSATEC terminal block TB2. Observe the color coding indicated on the label of the control. Connect the cable shield wire to the ground screw.

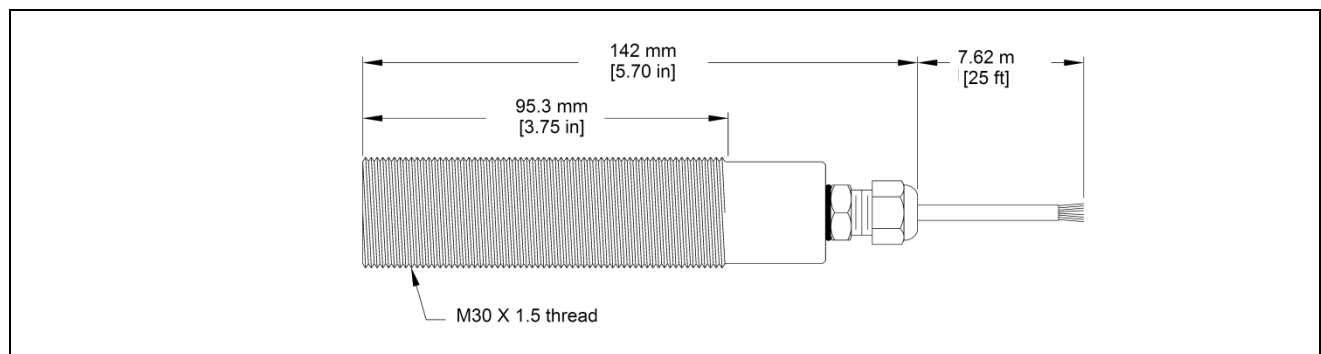
#### Maintenance

Due to the sealed design of the US-2, there is no maintenance required, other than keeping the white face of the sensor clear of any debris.

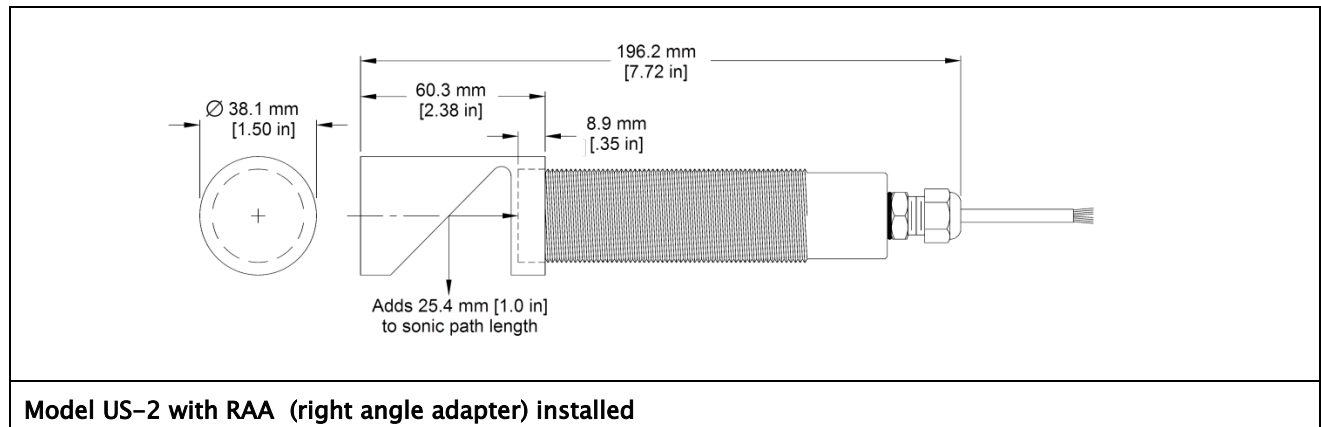
## Specifications

Enclosure rating	IP65(EN60529)
Climatic class	3K3(EN60721)
Temperature range	
Operating	0°C to 40°C [32 to 104° F]
Storage	-30°C to 80°C [-22 to 176° F]
Relative humidity	5 to 85 %
Pollution degree	2 (IEC664-1)
Altitude	0 to 2000 meters [6562 feet]

## Dimensions



**Model US-2**



**Model US-2 with RAA (right angle adapter) installed**



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