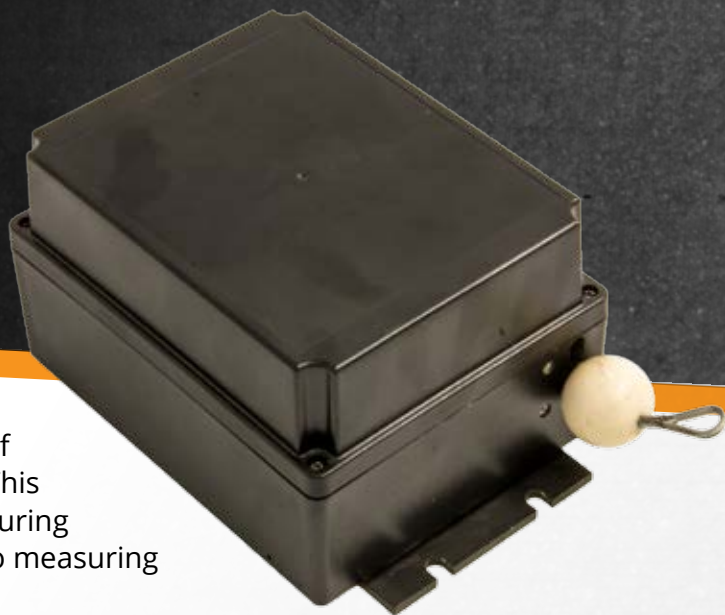


# LENGTH & ANGLE SENSOR



Kar-Tech's Length & Angle Sensor measures the extension of a telescoping cylinder and its angle with respect to gravity. This is an ideal sensor for many applications, ranging from measuring boom length and angle on cranes and telescopic man lifts to measuring positions of outriggers and counterweights.

As is the case with all of Kar-Tech's products, this sensing device is made to withstand the harsh environment of mobile applications. These sensors are available with analog, radio, and CAN outputs.

## ANGLE

Range	0 to 120°
Resolution	0.05°
Accuracy	±0.3°

## LENGTH

Range	0 to 240 inch (610cm)
Max revolution of pot	10 corresponding 3600°
Resistance of pot	10 KΩ
Life	10 <sup>6</sup> revolutions

## GENERAL/ENVIRONMENTAL

Output	0.5 to 4.5VDC, CAN, SAE-J1939, RF: 900MHz FHSS or 2.4GHz DSSS
Spring Life	10 <sup>5</sup> full extensions
Housing Material	Encapsulated UL94 ABS plastic
Weight	5.75lbs
Operating Temperature	-40° to +85° C
Storage Temperature	-50° to +100° C

## ELECTRICAL

Supply Voltage	9-30VDC
Protection Types	Reverse polarity, over-voltage

