



9503

Universal Leaded Speed Sensor

Low cost options permit customizing with little or no tooling cost.

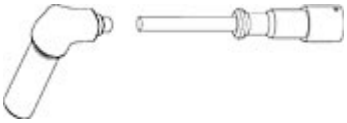
The 9503 Universal Leaded Speed Sensor (ULSS) is built for use in the agricultural, heavy vehicle, off-highway, and construction markets. It is ideal for ABS sensor applications, while offering customers flexibility in variations and features. Our proven speed sensor has gone through vigorous testing both in the lab and in the field. Common applications for the Universal Leaded Speed Sensor include:

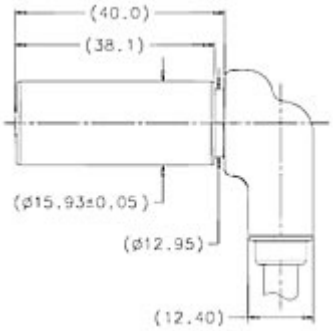
- Engine speed
- Shaft speed
- Wheel speed

has designed the 9503 device to be flexible. This allows customers to utilize the same basic package, but also have their custom inputs. Areas available for modifications include:

- Electrical characteristics (Output, Resistance, Inductance)
- Lead Lengths
- Connector orientations (90° or straight)
- Lead wire diameter
- Conduit options

universal sensors offer customers low cost options with minimal or little tooling investment. Count on Technologies for sensing solutions that add performance and value to products.





Technical Specifications

PHYSICAL

- Available in straight or 90° right angle
- Connector choice of DIN, Deutsch, Packard

- Variable lead length
- Robust product (stainless steel housing)

ELECTRICAL

	Specifications
Resistance	1800 Ohms
Inductance	(Measured in series @ 1,000 Hz): 1.17H

MECHANICAL TESTING

	Specifications
Connector Retention Testing	50N minimum
Pull Testing	Connector to cable - 250N minimum Sensor to cable - 445N minimum
Connector to Connector Mating Force	100N maximum

ENVIRONMENTAL TESTING

	Specifications
Operating Temperature	-40°C to +160°C continuous; excursions to 180°C
Thermal Shock	-40°C to +150°C 200 cycles
Salt Spray	Per ASTM B117-94 200 hours
Humidity	95% @ 55°C 28 days
Other testing includes Cyclic Corrosion, Chemical Resistance, High Pressure Spray, Hot and Cold Temperature Soak, Vibration and Bump Testing	