WHEEL TORQUE SENSOR

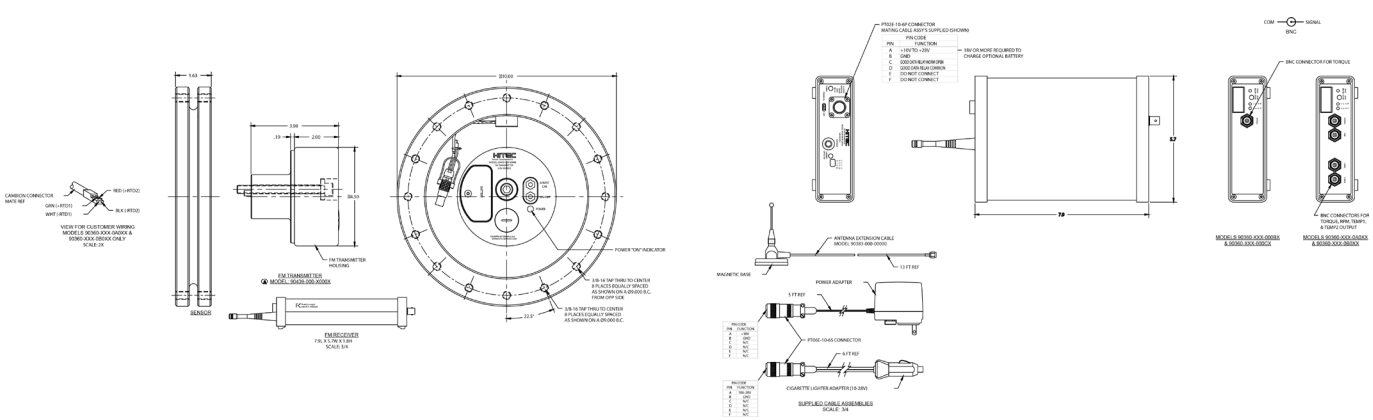
This telemetry based wheel torque sensor is used to measure the torque, speed, and temperature of tire/brake systems without the need for wheel rim modifications or anti-rotation brackets.

The 90360 series consists of three primary components: The torque sensor, vehicle adapter plates to integrate the sensor, and the digital FM telemetry to transmit and process signals. All output signals are conditioned to a high level analog output.

FEATURES

- Measures torque, speed and temperature of tire/brake systems
- Digital FM telemetry non-contact signal transmission
- Custom capacities and configurations
- Vehicle adapter plates

DIAGRAM



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WHEEL TORQUE SENSOR

SPECIFICATION

PARAMETER	RANGE
Typical full scale loads (in-lbs)	7,000 to 80,000
Maximum rpm	1200/1750
Temperature reading range (RTD based) (°C)	-100 to +500
Analog output (receiver)	0 to +/- 5V (FS)
Sensor low pass filter (Hz)	300, 4-pole Butterworth type
Sensor Hysteresis (%)	0.25 of full scale
Sensor Non-linearity (%)	0.25 of full scale
Sensor signal sample rate (Hz)	950
Cross-talk (%)	<2 full scale

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