



Battery Temperature Sensing

Overview

Amphenol Advanced Sensors provides an array of sensing products for automotive EV/HEV battery temperature sensing (BTS) and industrial portable power applications.

Reliable and accurate temperature sensing measurement is critical to long-term battery performance. Amphenol produces temperature solutions, including NTC thermistors, that are highly accurate with a high degree of stability that set the performance standard.



Amphenol Product Applications

<p>Cell Connection System (CCS) Temperature and voltage sensing of the battery cells and high voltage connectivity via busbars. FPC and wired solutions.</p>		<p>Motor Coil Interlaced into the stator coil. Provides temperature feedback on the operating condition of an electric motor.</p>	
<p>Noise Immune NTC Thermistor with capacitive element to prevent self heating due to EMI effects.</p>		<p>Battery Coolant Direct immersion into coolant flow. Splash-proof and sealed connector options.</p>	
<p>In-Line Battery Coolant Flow-through temperature sensor for in-line installation. Multiple tube sizes.</p>		<p>Battery Coolant Push-in clip-in-place design.</p>	
<p>Inverter Monitors temperature of the electrical inverter on EV/HEV applications.</p>		<p>Thin-Film Flexible Surface temperature measurement. Perfect for tight locations. Will conform to contour.</p>	