



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 temperature stability that set the performance standard for the rest of the industry.



Amphenol Product Applications

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| <p>Battery Cell <i>Surface temperature measurement where space is limited and surface is flat.</i></p> | | <p>Battery Case <i>Battery pack assembly array, surface temperature measurement.</i></p> | |
| <p>Battery Inlet / Outlet Coolant <i>Direct immersion into coolant. Sealed connector option.</i></p> | | <p>Battery Pack <i>Busbar mount.</i></p> | |
| <p>Battery In-Line Coolant <i>Direct immersion with pipe clip connection.</i></p> | | <p>Thin-film Flexible <i>Surface temperature measurement limited space, conforms to geometry.</i></p> | |
| <p>Battery Cell / Harness <i>Customized for applications, multi-sensor.</i></p> | | <p>Remote Data Bridge <i>Communications from BMS (battery management system) to Cloud.</i></p> | |

[Automotive Temperature Sensors...learn more](#)

[Industrial Temperature Sensors...learn more](#)

Amphenol
Advanced Sensors

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