

Boschung America, LLC

FHWA Road Weather Stakeholders Meeting 2014
Wednesday, August 13, 2014

Product Offering

A complete solution for sensing, treating, and managing weather



FAST
Systems



RWIS
Systems



Pavement
Sensors



Meteorological
Sensors



AVL
Systems



Vehicle
Solutions



MDSS
Solutions

Which condition would you treat?



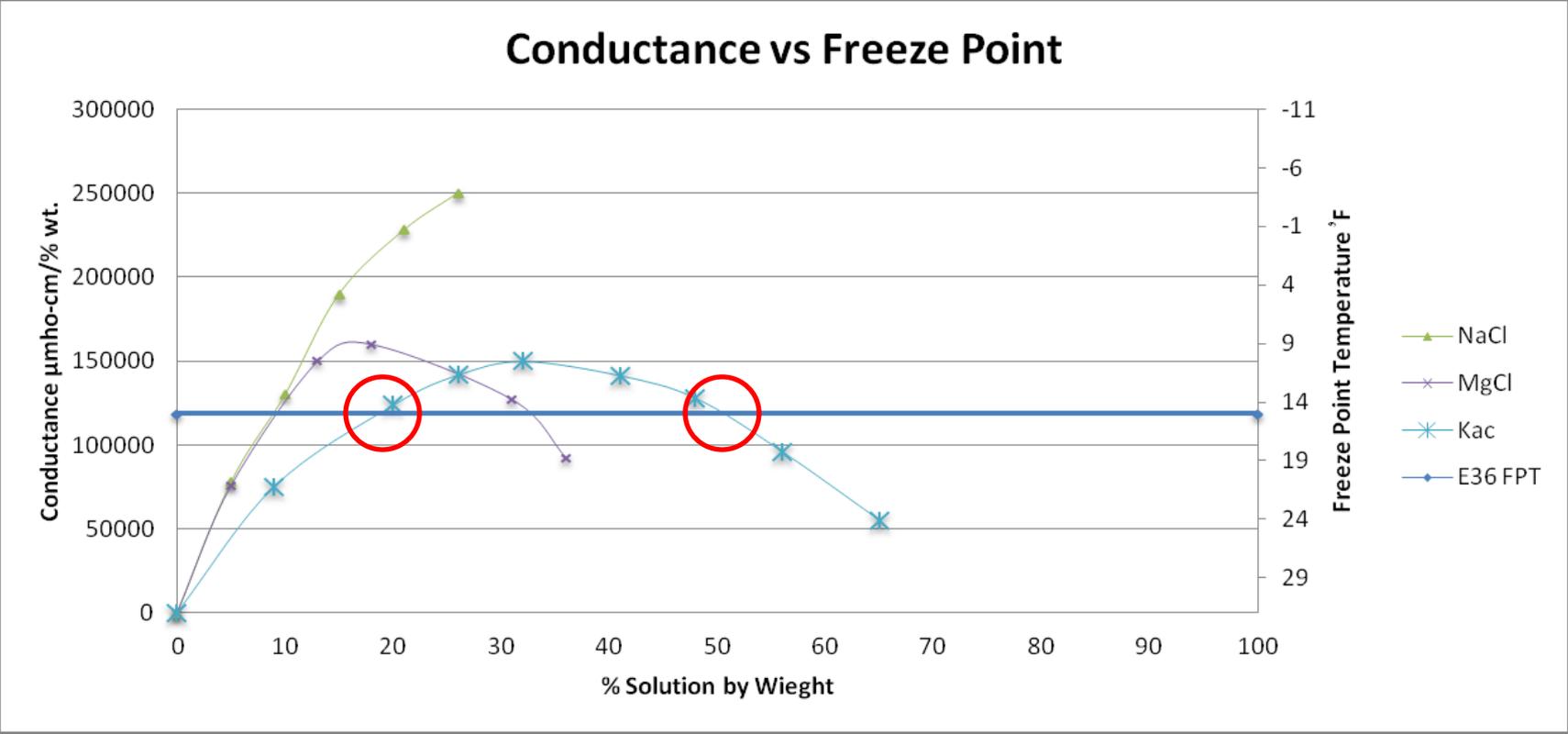
- Air Temp = 14°F
- Pavement Temp = 10°F
- Freeze Point Temp = 9°F



- Air Temp = 14°F
- Pavement Temp = 10°F
- Freeze Point Temp = -12°F

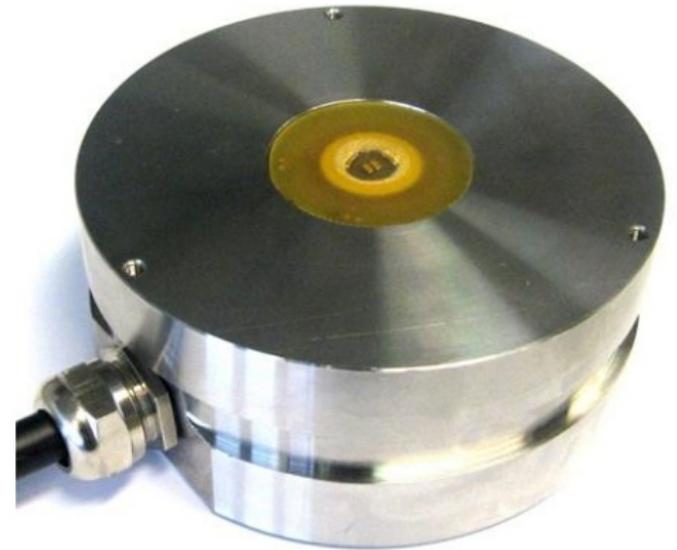
Conductance vs Eutectic Point

Effect of Chemical Conductance properties on Passive sensors



Accuracy Passive Freeze Points are Dependent on Conductance.

- **Freeze Point – Measured / Actual**
Independent of Chemical Solution
- **Thermoelectrically Cooled**
- **IP-68 Rated**
- **Long Cable Distances – RS485**
- **Open Protocol**



Chemical Agnostic

1. Johnson, Patrick, *Road Status Sensors, A Comparison of Active and Passive Sensors*, Department of Information Technology and Media, Mid Sweden University.

Questions

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