

Onboard Salinity Sensor System

Système embarqué de mesure de la salinité de la surface routière



Assisting in optimizing the application of anti-freezing agent!



Enhancing the efficiency and safety of salinity measurement

NaCl溶液状態図/NaCl solution state diagram
 [This diagram shows theoretical road-surface condition by the correlation between the salinity (%) and road-surface temp. (°C)]

• 路面温度と塩分濃度の同時測定により
KP毎の凍結防止濃度が把握できる!
 Simultaneous monitoring of salt and temperature enables precise deicing concentration control by location.

NaClの凝固点曲線に基づいた路面判定
 Road surface assessment based on the NaCl freezing point curve.

• 雪氷作業の**安全確保・時間短縮**が可能!
 Improves safety and efficiency in winter road operations.

Functions:

- Kilo-post-by-kilo-post linear measurement of road temperature and salinity
- Colored display of road surface evaluation results
- Checking the road surface condition by using image data

Advantages:

- Assisting in the optimization of anti-freezing application
- Enhancing snow and ice operation efficiency
- Utilization for thermal mapping

Display items:

- Kilo post, both directions
- Atmospheric temp. (°C)
- Road surface temp. (°C)
- Salinity (%)
- Required salinity (%)
- Estimated freezing temp. (°C)
- Result (salinity comparison)



System configuration

