

INNOVATIVE SENSOR TECHNOLOGY IST AG



INNOVATION PRESENTÉE : High-Voltage Resistant RTD – Reliable Temperature Measurement for E-Mobility

DESCRIPTIF : The High-Voltage Resistant RTD is an encapsulated Pt1000 temperature sensor specifically designed for demanding e-mobility applications. Its protective PTFE shrink sleeve provides outstanding electrical insulation with a dielectric strength of 5.5 kV AC, ensuring reliable operation in high-voltage environments. With an operating temperature range from -50 °C to +200 °C, excellent shock and vibration resistance, and durable stranded lead wires, the sensor delivers precise and stable temperature measurements under challenging operating conditions.

TYPE / EXEMPLE D'APPLICATION : Ideal for e-charger plugs, e-motors, and other automotive and e-mobility applications

ILLUSTRATION :



[Accéder à l'innovation en cliquant ici](#)

LIEN INTERNET :

CONTACT : SACCHET Omar
omar.sacchet@ist-ag.com

DATE DE MISE EN LIGNE : 28-09-2026