

## **Ground Temperature Sensor**

### **GTS**

**Compatible with Sirius-NBC weather sensor**



Grand Temperature Sensor  
Compatible with Sirius-NBC weather sensor

### **General**

The sensor is constructed for use in NBC vehicles in such a way that the operator has to remove the sensor out of the compartment and put the sensor probe into the ground. The flexible and reversible helix cable allows the adequate measurement in the accessible ground area.

The sensor is designed to be resistant against specific environmental influences like radiation of neutrons, Gamma doses and chemical components.

The optional DCNST cable features a high performance NBC harnished version of NBC vehicles.

## Function

The Ground Temperature Sensor determines the temperature of the ground with a plating resistor sensor PT1000 according to DIN IEC 751. Its value of resistance is transducer by an incorporated printed circuit board to an output voltage.

The sensor mainly consists of anodized aluminum. The sensor probe is made of stainless steel and is temperature-insulated to the shaft. The sensor consists of the temperature probe with shaft and helical cable.

## Technical Data

Measuring range:	-40 to +110 °C
Operating range:	-40 to +70 °C
Storage range:	-40 to +85 °C
Output:	0.5 to 9.5 VDC (short circuit protected)
Accuracy:	+/- 0.3 °C at 20 °C +/- 0.7 °C over full operating temperature range
Power supply:	+/- 15 VDC (delivered by the Sirius-NBC sensor)
Current consumption:	typical 20 mA
Type of protection:	IP65 acc. DIN 40 050