

# Examples of use

## MOBILE DATA COLLECTION

### Vehicle Mount Terminals

#### Working with vehicle mount terminals in deep freeze areas at temperatures as low as -30°C

##### Task / problem

Placing goods into and removing them from storage as well picking the goods is also a daily task in deep freeze areas. In doing so, temperatures as low as -30°C are achieved. The difference in temperature of up to 40°C in the environment in which the vehicle mount terminals are in use is not uncommon. Consequently, the vehicles and terminals are subjected to severe thawing. With the MFT920 and MFT960 vehicle mount terminals, a special, integrated heating method has been developed in order to ensure that they can be used in deep freeze areas.

##### Procedure

In the shape of the MFT920, a vehicle mount terminal is in use at our customer's premises that is able to withstand the greatly fluctuating and low ambient temperatures. With an integrated heater as well as the IP65 protection class, it is possible to work with the vehicle mount terminal every day, even at temperatures as low as -30°C. The interfaces are completely sealed and, since the power supply is located within the device, all electronic components are heated automatically. The temperature inside the device is recorded via a micro-controller which is located inside the device. In the event of a certain level of cooling, the heater which is arranged in a flat manner is activated that heats the device to a certain temperature. Once the desired temperature has been reached, the heater is switched off in a fully-automatic manner. An internal fan ensures the circulation of the heated air inside the device.

##### Result

Our customer is extremely satisfied with the application of the MFT920. Thanks to the integrated heater, the vehicle mount terminal can be operated at temperatures as low as -30°C and the inside of the display does not fog over, even in the event of temperature fluctuations in the working environment.

Our customer uses the MFT920 worldwide in deep freeze areas at their retail outlets. The vehicle mount terminal can be used in deep freeze areas for an extremely long period of time without any problems whatsoever and withstands the switch of temperature zones without any impairments.

