

MTS

Modular Temperature Sensor



- Compatible with Modular Power Management (MPM)
- Robust design (IP54)
- Simple assembly
- Wide temperature range
- Optimizes battery calculation

The MTS is an external temperature sensor specifically designed for the use in off-grid PV- and PVhybrid-systems. It is an accessory of Phocos' innovative Modular Power Management (MPM) family. The MTS can be integrated when the Phocos MCU is part of the system design. All components within the MPM family are equipped with internal temperature compensation. Should the temperature of the battery bank be significantly different from the temperature of the MPM components, the MTS can be used to measure

battery temperature and optimize the battery calculation. The installation of the MTS is quick and easy thanks to the simple connection and the robust design. The temperature sensor is installed in close proximity to the battery and is connected to any free bus port on the MPM. The MTS works reliably and accurately within a specified temperature range of $-40\text{ }^{\circ}\text{C}$ to $+80\text{ }^{\circ}\text{C}$. The integration of this temperature sensor ensures precise regulation at all times, thus extending battery lifetime.

Type	MTS
Temperature range	-40 to $+80\text{ }^{\circ}\text{C}$
Measurement accuracy	$\pm 1\text{ }^{\circ}\text{C}$
Self consumption	$< 10\text{ mA}$
Weight	122 g
Standard cable length	6 m (longer version available on special request)
Interface	Phocos MPM-Bus
Dimensions (W x H x D)	38 x 20 x 15 mm
Type of protection	IP54