

Data sheet		 Messtechnik GmbH & Co. KG
IMB – te1		
Doc.-No. : D2MF122161	Rev. : 09/24	

The IMBus module IMB-te1 can be used to connect a temperature sensor with K-type thermocouple to a PC, a measuring computer (MECC or MEIC) or to a B200 / C200 gauge.

The TE-K is available as compatible temperature sensor. With the standard calibration, the measuring accuracy of the system is $\pm 2.5\text{ }^{\circ}\text{C}$. The error of measurement can be reduced to $< 0.5\text{ }^{\circ}\text{C}$ by performing an individual system calibration. For this purpose, a correction factor and an offset can be set inside the IMB-te1.



Designation :	Art.-No.
IMB – te1	F122 161

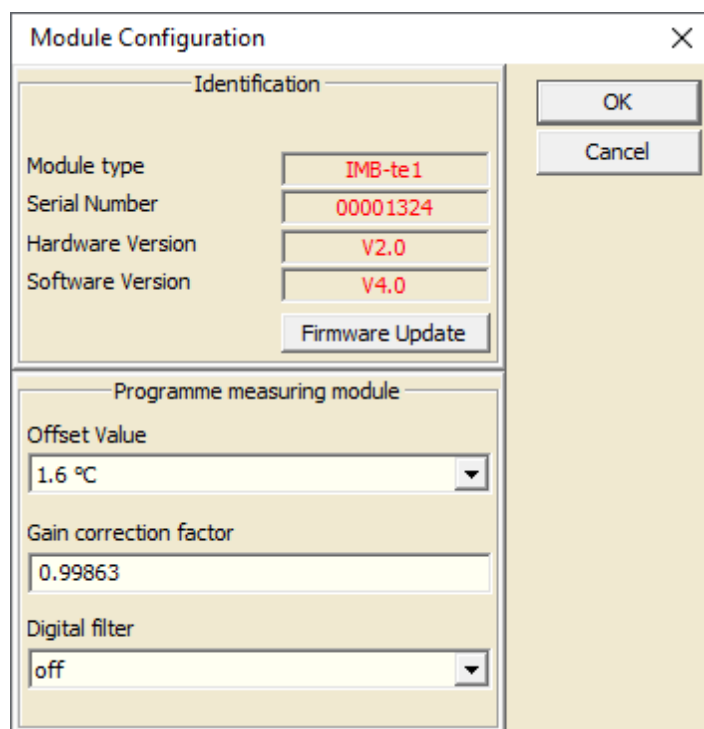
Characteristics :

Support	K-type thermocouple
Resolution	0.1 $^{\circ}\text{C}$
Working temperature range	0...45 $^{\circ}\text{C}$
Storage temperature range	-20...80 $^{\circ}\text{C}$
Power consumption	< 40 mA

Configuration :

The IMB-te1 allows the input of an offset and a gain correction value in the hardware setup to correct the adjustment of the module, depending on the connected temperature sensor.

In this way, the measuring accuracy of the system can be increased.



GRG S.a.s. di Gianbruno Grippa

Via B. Oriani, 59 - 20156 Milano

Tel.: +39 02 38003843-44

E-Mail: grg@grgsas.net

Web: <http://www.grgsas.net>