Symbiscan TS2e

4.1 Product Specifications:

Acquisition-Module:		
	Number of Input Channels	**2 (K1, K2)**
	Max. Sensor-number / Ch	**16 x 16 = 256 Sensors per channel**
Physical Dimensions:		
	Aluminium Case (BxHxD)	110 x 37 x 216 mm (TS2e) 169 x 52 x 216 (TS2eUxIx)
	T-Measuring Matrix	Dependent on customer requirements see „Technical Data of T-Measure-Mat “
Supply:		
	Supply-Voltage	5V (supplied over high power USB-Port of PC)
	Power requirements	ca. 1,5 W
Interface to PC:		
	USB	2.0
Accuracy of measurement[1]:		
	Acquisition Speed	ca. 1.5 sec. per channel
	Temp. Range Standard	10 °C to 60 °C
	Temp. Range Extended	-25 °C to 80 °C
	Resolution	+/- 0,01 K
	Relative accuracy	better +/- 0,3 K
	Absolute accuracy	better +/- 0,9 K
	Temperature Drift	< 0,3 K / Year
	TS2eUxIx:	
	Current input	+/- 25mV Meas. range 0 to 1 V, absolute Max. +/-25V!
	Voltage input	+/- 0,2 V Meas. range 4 to 15 V, absolute Max. +/-25V!
Climatic Operation Conditions of Acquisition-Module:		
	Nominal Temperature:	23 °C
	Temperature Range:	10 °C to 40 °C, for a short time (ca. 10min) –30°C to +60°C
	Relative Humidity:	0 % to 95 % (non-condensing)
Climatic Storage Conditions of Acquisition-Module:		
	Storage Temperature:	10 °C to 40 °C
	Relative Humidity:	0 % to 65 %
Weight (without T-Matrix):		
	Net Weight:	0,7 kg (TS2e) 1,3 kg (TS2eUxIx)
	Shipping Weight:	ca. 6 kg (incl. carton)

to 1: Valid till one year after calibration of complete system (Acquisition-Module and T-Matrix), at 23 °C ambient temperature of acquisition system

4.2 Technical data T-Measure-Mats

Type:		
	TEM-4e (Two pieces)	16 x 16 Matrix
Physical Dimensions:		
	T-Matrix	55 cm x 55 cm / Piece (Measurement Range 48 x 48 cm)
Climatic Operation Conditions:		
	Temperature Range:	-25 °C to 80 °C
	Relative Humidity:	0 % to 95 % (non-condensing)
Climatic Storage Conditions:		
	Storage Temperature:	+10 °C to +40 °C
	Relative Humidity:	0 % to 65 %
To observe:		

Position the acquisition module please always outside of the climate chamber!

Measure-Mat: Avoid Contact with liquids!!! (slightly dewing is allowed)

Avoid electrostatic discharges

Don't crease connection cables between sensors

Don't crease Mat-border (labeled row-/column line)!

Violation of specified temperature range causes irreparable damage of T-Measure-Mat

If not in use, store T- Measure-Mat on a plane surface or on a reel with (Æ > 20cm) and away of direct solar radiation in a dry surrounding.

Please don't bond tapes directly over sensors or marker!

Don't fix Mat-border relative to T- Measure-Mat inflexible, to avoid tensile load of steel cable at Mat-border

Please note that the minimum bending radius (8cm) of cable between T-Mat and acquisition device!

Not suitable for operation during load tests with Seat-Test-Robots or similar

Disregarding of above-noted rules or violation of specified ranges leads to loss of warranty claim!

DO NOT USE these products as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury or financial loss!