Process calibrators // UC TC.2

for thermocouples

UC TC.2

Highlights

- Precise simulation and measurement of thermocouple signals
- Simple to use and robust housing
- For mobile on-site calibration

Technical data	
Thermoelements (TC)	
Generation and measurement of TC signals	J, K, T, R, S, B, N, E, U, L, C
mV-generator function	-9.5...80 mV
mV-measurement function	-10...100 mV
Accuracy (of reading + const.)	±0.02 %
Selectable temperature unit	°C / °F
Internal comparison point	±0.3 °C

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Technical data

Functions	
Generation	
High-speed call values	**10 points (flexible)**
Linear steps and ramps	✓
User-defined synthesiser values	**10**
User-defined signal output characteristic	**10 points**
Editable units	✓
Measurement	
Data memory	**10 000 values**
Value tables and graphics function	✓
Offset programming for sensor characteristic	✓
Calibration data files and linearisation points	**5 x 4 values**
User-defined measuring input characteristic	**10 points**
Editable units	✓
Measured value min. / max.	✓
Measured value hold function	✓
Averaging function	✓

General data	
Features	
Sensor connection	4 safety sockets (1 channel) incl. 2 sets with safety instrument leads (4 mm) and alligator clips (optional)
Power supply	4 x 1.5 V AA-battery, operating time approx. 40 h or rechargeable battery including power adapter 230 VAC / 12 VDC (optional)
PC Interface	mini-USB Type B
Operator guidance	Menu with pull-down windows, programming and control via PC
Display	Multifunction display, LCD, 6 digit
Housing	
Version	ABS plastic with protective cover
Dimensions	160 x 85 x 45 mm (H x W x D)
Weight	Approx. 300 g

Article numbers

Order code		
Type	**Version**	**Order number**
UC TC.2	Accuracy ±0.02 % of reading + const.	EME8AOUC0TC020

Order code	
Accessories	**Order number**
DAkkS certificate	EKSIMMONO0000D
SIKA works calibration certificate	EKSIMMONO0000W
Transport case	EME8GKK3100000
Plug connector 4 mm, red	EME8AOSKLS40RT
Plug connector 4 mm, black	EME8AOSKLS40SW
Software Datacal for UC TC.2	EME8AOMCSWDCKA
Battery and charger for UC series	EME8AOAN601100

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