

Monofunction simulators

EC RTD and UC RTD



Signals	EC RTD	UC RTD
Resistance thermometer (RTD)		
Generation and measurement of RTD signals	Pt100, Cu50	Pt50, Pt100, Pt200, Pt500, Pt1000, Cu10, Cu50, Ni100, Ni120, Ni1000
Ω-generator function	0...400 Ω	0...3500 Ω
Ω-measurement function	0...450 Ω	0...3600 Ω
Accuracy (of rdg. + const.)	±0.05 %	±0.0012 %
Selectable temperature unit	°C / °F	°C / °F
Measurement of multi-wire connections	2	2 / 3 / 4

Functions	EC RTD	UC RTD
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		✓
Output zero	✓	
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		✓

EC RTD

- Operator guidance
Keypad
- Battery supply / Operating time
Approx. 25 h with Auto-Power off

UC RTD

- Operator guidance
Menu with pull-down windows
Programming and control via PC
- Battery supply / Operating time
Approx. 40 h
- Accu set with mains adapter (optional)
- Software (optional)