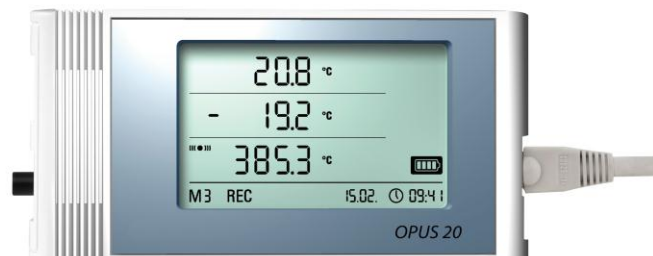


OPUS 20E for external sensors

for Voltage, Ampere and thermocouple Typ K, J and S

- Large display for actual measurements
- Battery status indicator
- Easy to use Windows software
- Visual and acoustic Hi-Lo-Alarm
- Memory for 3.200.000 measurements
- Adjustable measurement interval 1 minute up to 24 hours
- High accuracy: $\pm 200 \mu\text{V}$, $\pm 5 \mu\text{A}$ and $\pm 1^\circ\text{C}$
- Incl. software, cable and batteries



Areas of application

- Quality assurance
- Machine and system monitoring
- Applications of Research and Development
- Help with troubleshooting
- Document the results of test setups

Technical data

Temperature PT 100 and Thermocouples

Measuring range PT 100	-2000...500°C
Measuring range typ K and J	-200...1200°C
Measuring range typ S	-50...1700°C

Resolution	$< 0,2^\circ\text{C}$
Accuracy PT 100	$\pm 0,2^\circ\text{C} \pm 0,1\%$ of the end value
Accuracy Typ K and J	$\pm 1^\circ\text{C} \pm 0,5\%$ of the end value at -200...0°C
	$\pm 1^\circ\text{C}$ zzgl. $\pm 0,2\%$ of the end value at 0°C...1200°C
Accuracy Typ S	$\pm 1^\circ\text{C} \pm 0,5\%$ of the end value at -50...0°C
	$\pm 1^\circ\text{C} \pm 0,2\%$ of the end value at 0...1700°C

Voltage input 0-1V

Measuring range	0...1V
Resolution	$< 500 \mu\text{V}$
Accuracy	$\pm 200 \mu\text{V} \pm 0,1\%$ of the end value

Current input

Measuring range	2-wire 4...20 mA 3-wire 0...20 mA
Resolution	$< 5 \mu\text{A}$
Accuracy	$\pm 4 \mu\text{A}$ plus $\pm 0,1\%$ of the end value

Memory size	3.200.000 measurements
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Interface	USB
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Display	7 Segment LCD
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Housing	Plastic (ABS)
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Dimensions	180 x 78 x 32 mm
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Weight	250 g
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Power supply	4 x LRG AA Mignon batteries or external power supply (sold separately)
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Order No.	5005-8123
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