

## Datasheet

### Miniature-Infrared-Thermometer Optris CSmicro LT02 OPTCSMVLT02



<b>Article ID</b>	OPTCSMVLT02
<b>Model</b>	Miniatur-Infrarot-Thermometer Optris CSmicro LT02
<b>Variante</b>	integrated electronic
<b>Temperature range</b>	-50°C ... 1030°C
<b>Spectral range</b>	8 ... 14 $\mu\text{m}$
<b>Optical resolution (D:S)</b>	2 : 1
<b>Spot size: up from</b>	2,5 mm
<b>System accuracy</b>	$\pm 1^\circ\text{C}$ or $\pm 1\%$ at ambient temperature $23\pm 5^\circ\text{C}$
<b>Repeatability</b>	$\pm(0,5\%$ of reading $+0,5^\circ\text{C}$ ) at ambient temperature $23\pm 5^\circ\text{C}$
<b>Emissivity</b>	0,10 ... 1,10
<b>Response time</b>	14 ms
<b>Temperature resolution</b>	0,1 K
<b>Power supply</b>	5 - 30 VDC
<b>Outputs</b>	0 ... 5/10 V, Alarm output 0-30V / 50 mA (open collector)
<b>Thermal Sensitivity (NETD)</b>	50 mK
<b>Interface optional</b>	USB

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<b>Software</b>	optris CompactConnect (Windows), IRmobile (Android)
<b>Ambient temperature sensor head</b>	-20°C ... 120°C
<b>Ambient temperature electronics</b>	-20°C ... 80°C
<b>Sighting scope</b>	LED aiming
<b>Application</b>	Non-metals
<b>Manual</b>	<a href="#">Bedienungsanleitung Optris CSmicro Serie</a>