

Datasheet

Compact-Infrared-Thermometer Optris CT LT02

OPTCTLT02



Article ID	OPTCTLT02
Model	Compact-Infrared-Thermometer Optris CT LT02
articlenumber	OPTCTLT02, OPTCTLT02CF, OPTCTLT02CB3, OPTCTLT02CFCB3, OPTCTLT02CB8, OPTCTLT02CFCB8, OPTCTLT02CB15, OPTCTLT02CFCB15
Variante	separate electronics box with programming buttons and display
Temperature range	-50°C ... 600°C
Spectral range	8 ... 14 µm
Optical resolution (D:S)	2 : 1
Spot size: up from	2,5 mm
System accuracy	±1°C or ±1% at ambient temperature 23±5°C
Repeatability	±(0,5% of reading +0,5°C) at ambient temperature 23±5°C
Emissivity	0,10 ... 1,10
Response time	150 ms
Temperature resolution	0,1 K
Power supply	8 - 36 VDC
Outputs	0/4 ... 20 mA, 0 ... 5/10 V, Thermocouple J+K, Alarm output 24V / 50 mA (open collector), Relay: 2 x 60 VDC / 0,4 A optically isolated (optional)

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Thermal Sensitivity (NETD)	100 mK
Interface optional	USB, RS232, RS485, Profibus DP, Ethernet, CAN
Software	optris CompactConnect (Windows), IRmobile (Android)
Ambient temperature sensor head	-20°C ... 130°C
Ambient temperature electronics	0°C ... 85°C
Sighting scope	without
Application	Non-metals
Manual	Manual Optris CT series
Alternative product numbers	CT-SF02-C1, CT-SF02-C15, CT-SF02-C3, CT-SF02-C8