


# TEMPERATURMANAGEMENT

## Temperature sensor UETF-IR

Article	UETF-IR-CSL15	UETF-IR-CSM-...
		
	<b>properties</b>	
	Single-piece sensor with smart LED display (self diagnostics, aiming support, alarm, temperature code	2-wire sensor with intelligent electric adapted in cable(aiming support, alarm, temperature code
	<b>Technical data</b>	
	Detector Thermopile	Thermopile
	Head cable shortening ✓	✓ (after electronics)
	Thread(sensing head) M12x1	M12x1
	Spectral range 8 – 14 µm	8 – 14 µm
	Temperature range -40°C ... 1030°C	-40°C ... 1030°C
	Temperature resolution 0,1°C	0,1°C
	Optical resolution 15:1	15:1
	Option CF lense ✓	✓
	Smallest spot (CF optics) 0,8mm @ 10mm	0,8mm @ 10mm
	Smallest spot (SF optics) 7 mm	7mm
	Sighting LED-aiming	LED-aiming
	Response time(90%) 25 ms	30 ms
	Accuracy ±1,5°C oder ±1,5%	±1,5°C oder ±1%
Outputs analog		
4-20 mA   0-5V   0-10V   Thermolement K	-   ✓   ✓   ✓	✓   -   -   -
T <sub>amb</sub> Head min.	-20°C	-20°C
T <sub>amb</sub> Head max.	80°C	120°C
T <sub>amb</sub> Electronics max.	80°C	75°C
Functional inputs	✓	✓
External emissivity adjustment	✓	-
External background temperature control	✓	-
Trigger input for reset of hold functions	✓	✓
Simultaneous analog and digital output	-	✓
Alarm output alternativley to analog output	✓	✓
Additional alarm output	✓	✓
Power supply	5 – 30 VDC	5 – 30 VDC
Standard cable length	1 m	1 m
Cable length options	3 m / 8 m / 15 m	Option up till 9 m
<b>Orderinformation</b>	UETF-IR-CSL15	UETF-IR-CSM-...

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## Accessories

### Mechanical accessories



Mounting bracket, adjustable in one axis (M12x1 sensing head, massive housing, 2-hole for M12x1)



Mounting bolt for M12x1 sensing head adjustable in one axis

### Optical accessories



CF ancillary lens or protective window for M12x1 sensing head



CF ancillary lens or protective window for air purge collar (laminar) or massive housing

### Air purges and protective housings



Air purge collar for M12x1 sensing head



Air purge collar laminar for M12x1 sensing head

### Digital interface USB-Kit



Specifications subject to change without notice!