Compact FIA20 series infrared probe head with ALMEMO® connector for surface temperature measurement

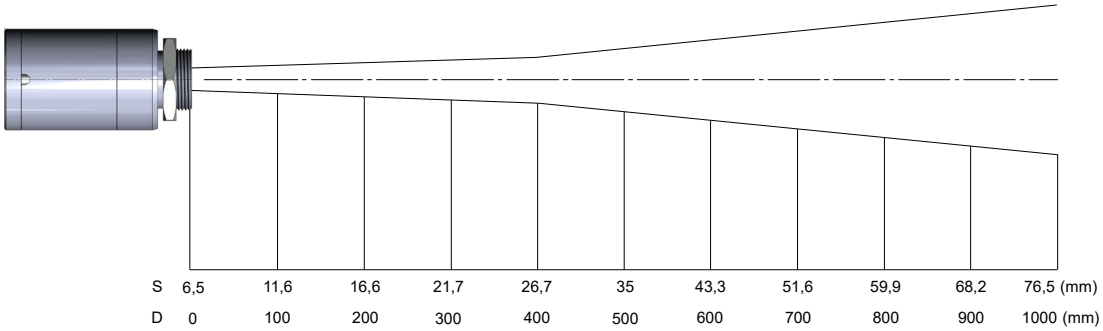
new



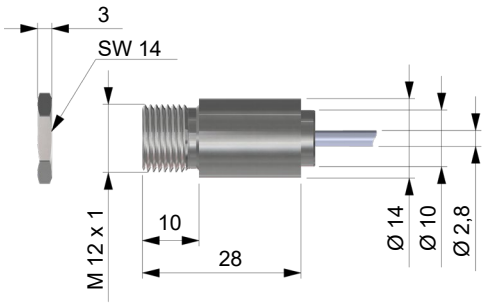
- Resolution ratio: 15:1
- Wide measuring range: -50 to max. 1030 °C
- Wavelength range: 8 to 14 µm
- Stainless steel housing, protection class IP65
- Easy installation thanks to M12 design

Optical Characteristics

D:S = 15:1

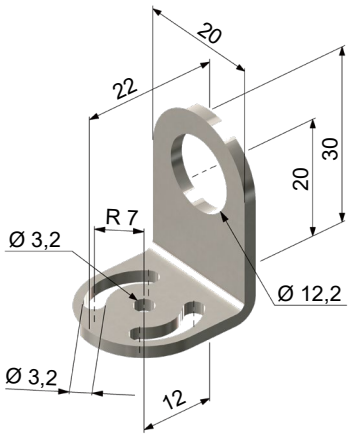


Dimensions



Optional Accessories

Mounting Bracket
ZI20FB



Deflection mirror
ZI20RAM



Accessories

	Order no.
Focus lens	**ZI20CF**
Mounting Bracket	**ZI20FB**
90° Deflection mirror	**ZI20RAM**

08/2026 • We reserve the right to make technical changes.

new

Technical data:

Temperature range:	-50 to 1030 °C (Standard: 0 to 350 °C)
Spectral sensitivity:	8 to 14 µm
Optical resolution (90 % energy):	15:1
System accuracy:	±1 % or ±1 °C, the greater value applies
Repeatability:	±0.5 % or ±0.5 K, the greater value applies
Nominal conditions:	23 °C ±5 K, Measuring object > 0 °C
Temperature resolution:	50 mK
Response time:	14 ms
Emissivity: Transmittance:	0.95 1.0
Power supply:	via ALMEMO® connector (12 V DC)
Protection class:	IP65
Ambient temperature:	Sensor head: -20 to 120 °C; Cable electronics: -20 to 75 °C
Storage temperature:	-40 to 85 °C
Relative humidity:	10 to 95 % non-condensing
Housing:	Stainless steel
Dimensions (Sensor head):	Length 28 mm, M12x1 thread
Cable:	1 m / 3.5 m – incl. ALMEMO® connector
Weight:	42 g

Variants

Temperature range (max.)*	Optical resolution	Ambient temperature probe head	Focal length with focus lens	Meas. spot with focus lens	Cable length	Order no.
-50…+1030 °C	15:1	-20…+120 °C	10 mm	Ø 0.8 mm	1 m	**FIA2015SF0**
-50…+1030 °C	15:1	-20…+120 °C	10 mm	Ø 0.8 mm	3.5 m	**FIA2015SF0L3**

*** Please specify the temperature range when placing the order.**