new

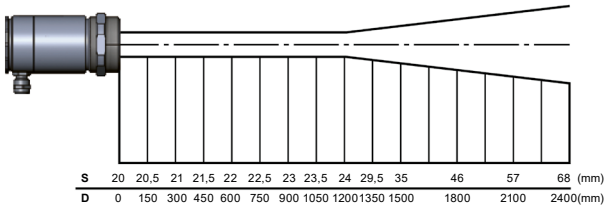
Compact MI30 series infrared probe head with analog output for surface temperature measurement



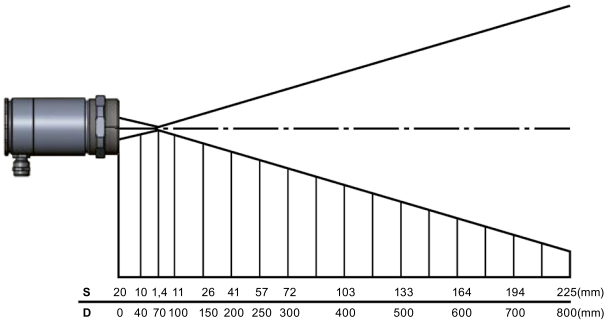
- Resolution ratio: 50:1
- Measuring range: -50 to max. 975 °C
- Wavelength range: 8 to 14 µm
- Settings can be configured on the controller
- Stainless steel housing, protection class IP65
- Easy installation: M48x1.5, incl. mounting bracket
- Analog output (current/voltage) via screw terminal in the controller
- Optional: USB port

Optical Characteristics

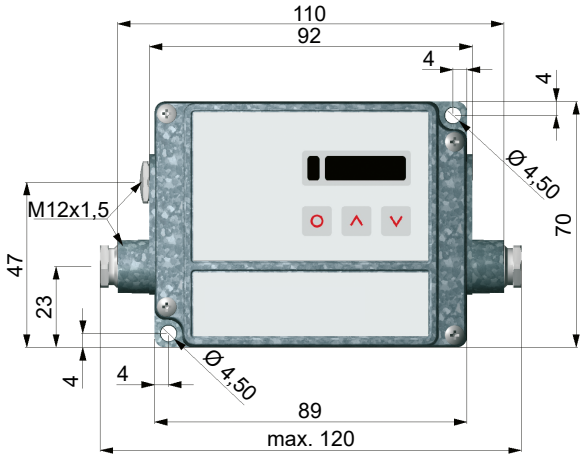
MI3050SF0
Focus point 24mm@1200mm

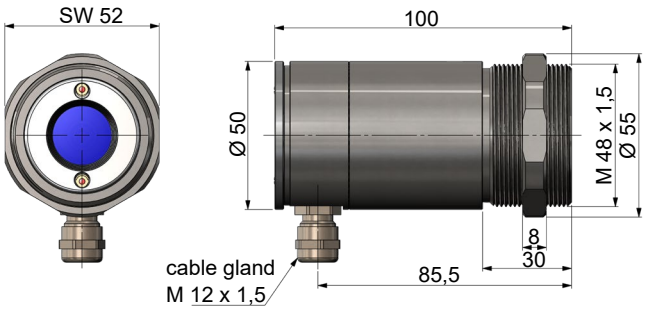


MI3050CF1
Focus point 1.4mm@70mm



Dimensions

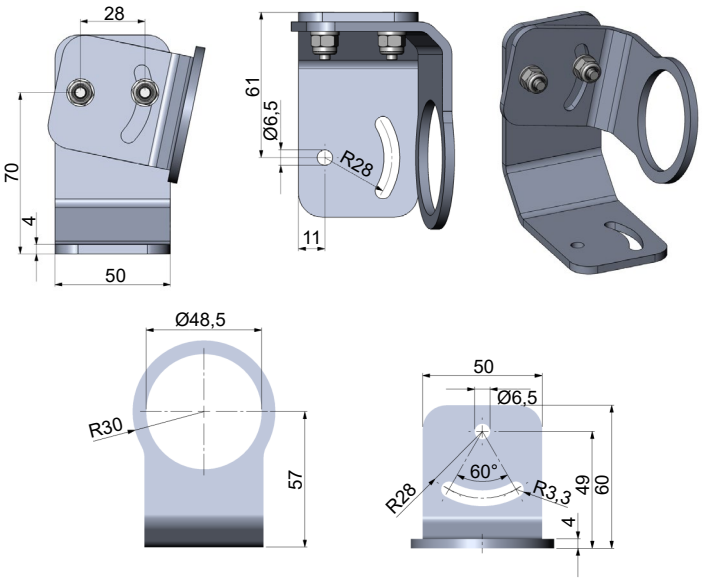




new

Optional Accessories

Mounting Bracket (rotatable) **ZI30LAB**



USB adapter cable **ZI30IAC**



Accessories	Order no.
Additional mounting bracket with 2 degrees of freedom	**ZI30LAB**
USB adapter cable	**ZI30IAC**

Technical data:

Temperature range:	-50 to 975 °C
Spectral sensitivity:	8 to 14 µm
Optical resolution (90 % energy):	50:1
System accuracy:	±1.5 % or ±1.5 °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
Response time:	9 ms
Emissivity: Transmittance:	0.1 to 1.1 (Default setting 0.97) 0.1 to 1.1 (Default setting 1.0)
Power supply:	8-36 V DC, 160 mA
Analog output:	4 to 20 mA / 0 to 10 V
Protection class:	IP65
Pilot laser:	635 nm, 1 mW, Laser safety class 2
Ambient temperature:	-20 to 85 °C
Storage temperature:	-40 to 85 °C
Relative humidity:	10 to 95 % non-condensing
Housing:	Stainless steel (sensor head), Zinc die-casting (control unit)
Dimensions (Sensor head):	Length 100 mm, M48x1.5 thread
Cable length:	3 m (Sensor head – Controller)
Weight:	600 g (Sensor head), 420 g (Controller)
Electrical connection:	Screw terminals in the controller

Variants

Temperature range	Long range optical resolution	Ambient temperature probe head	In the focus point			Cable length	Order no.
			Optical resolution	Focal length	Meas. spot diameter		
-50…+975 °C	20:1	-20…+85 °C	50:1	1200 mm	24 mm	3 m	**MI3050SF0**
-50…+975 °C	3.5:1	-20…+85 °C	50:1	70 mm	1.4 mm	3 m	**MI3050CF1**

07/2026 • We reserve the right to make technical changes.