

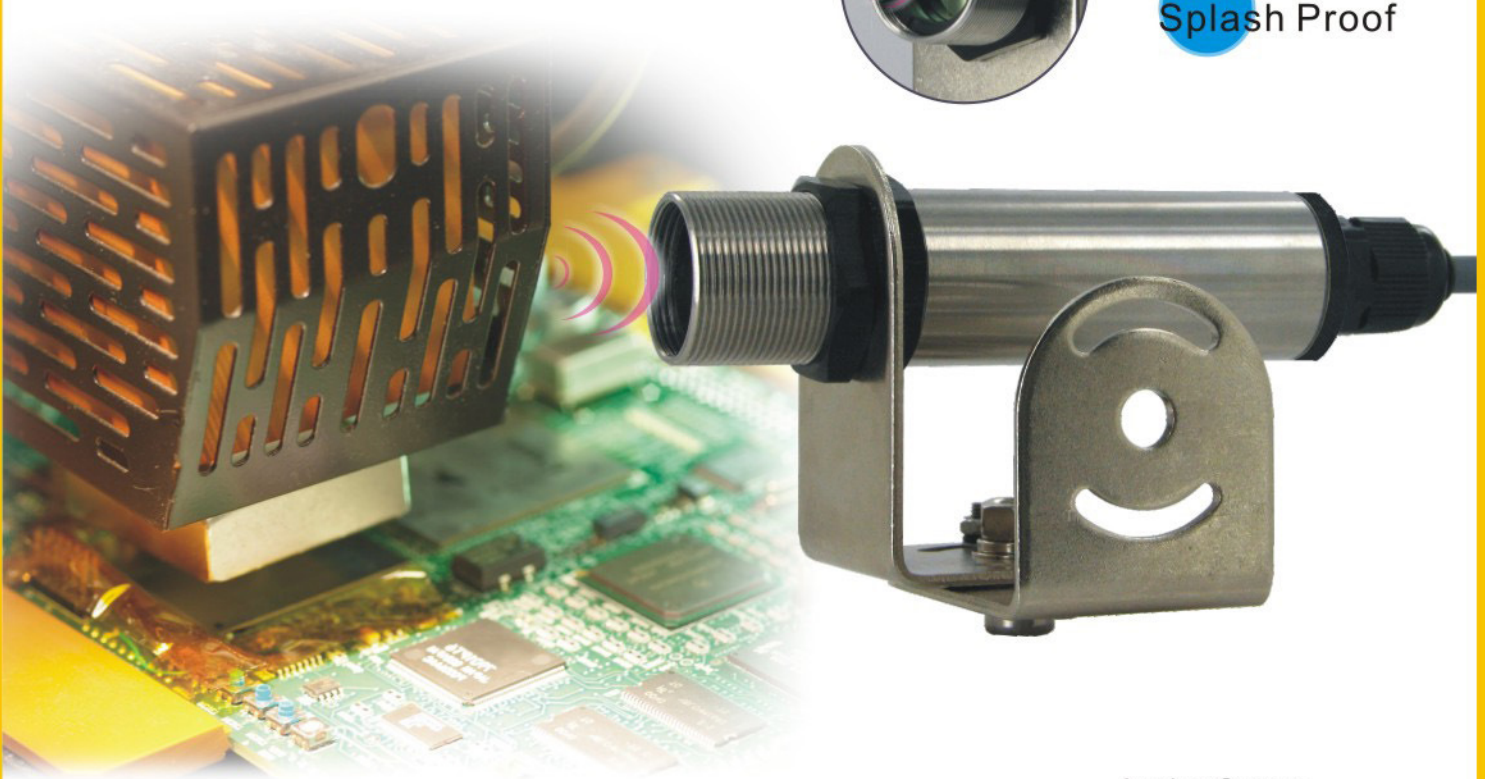
Fixed Infrared Sensors

ZF210C/ ZF211C/ ZF314

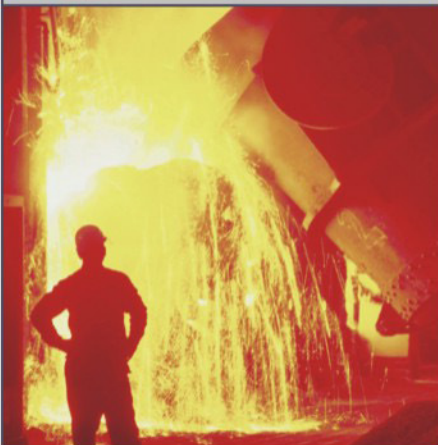
- Small and robust infrared temperature sensor
- 2-wire installation
- Linear current output
- Easy installation and connection



IP 65
Splash Proof



Working environment
temperature higher than 40°C



Semiconductor/ Automation
LCD/ Print/ Foods



Analog Output



Digital Output

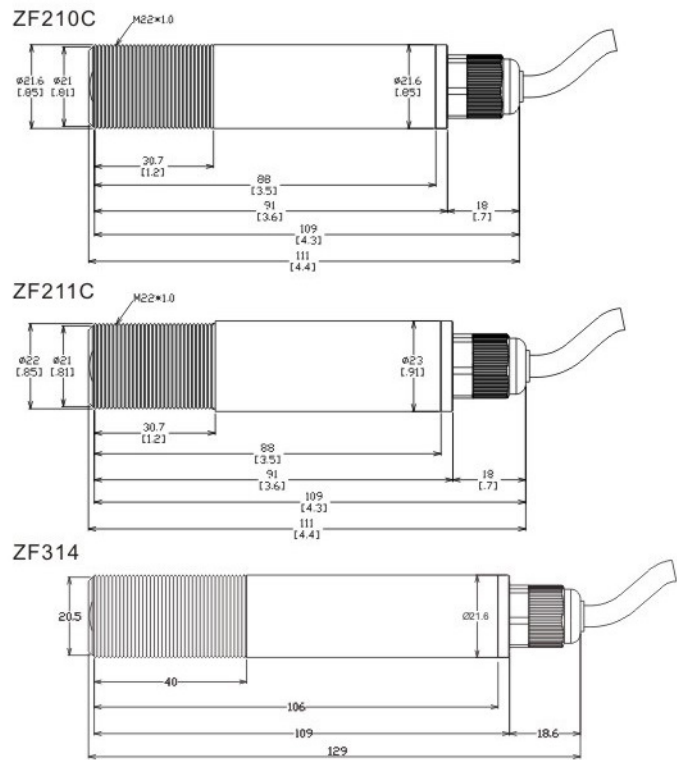


Specifications

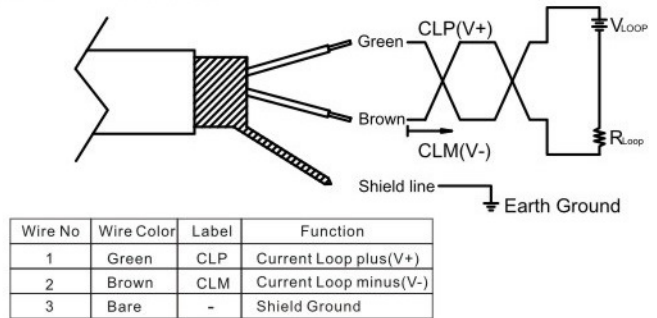
Spectral range
8 ~ 14 μ m
Distance:Spot Size
ZF210C/ ZF211C - 12:1
ZF314 - 20:1
Output Temperature range
ZF210C: 0°C ~ 400°C(0.04mA/°C)/ 32°F~ 752°F(0.022mA/°F)
ZF211C: 0°C ~ 500°C(0.032mA/°C)/ 32°F~ 932°F(0.0178mA/°F)
ZF314: 0°C ~ 400°C(0.04mA/°C)/ 32°F~ 752°F(0.022mA/°F)
Analog output
4~20mA ; linear to temperature
Loop impedance
Max. 700 Ohms@24VDC; Min. 100 Ohms recommende
Max. 150 Ohms@12VDC; Min. 100 Ohms recommended
Emissivity
Fixed at 0.95
Response time
300 ms
Accuracy
2.0% of reading or 2.0°C/3.6 °F, whichever is greater
Repeatability
1% of measured value or 1°C/ 1.8°F,whichever is greater
Power supply
Isolated Power 12VDC~24VDC@20mA , Ripple< 2.5%
Ambient temperature
0°C ~ 70°C/ 32°F~ 158°F
Storage temperature
-30°C ~ 85°C/ -22°F~ 185°F
Housing
Stainless Steel Tube
Mounting Nut
M22
Enclosure rating
IP65 (according DIN 40 050)
Vibration
IEC68-2-27 (MIL STD 810D), any axis, 11 to 200 Hz, 3G
Shock
IEC68-2-27 (MIL STD 810D), any axis, 11 ms, 50G

Specifications are subject to change without notice

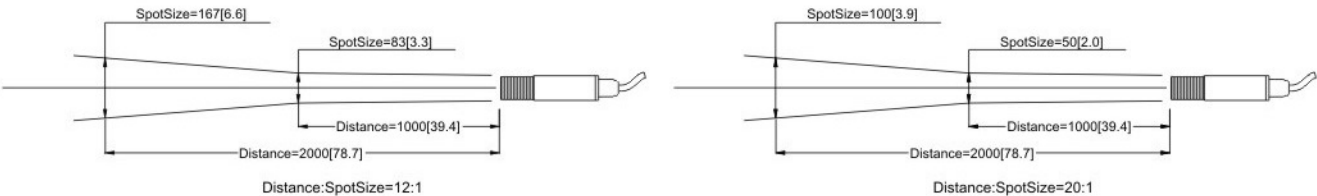
Dimension



Wire connection



FOV(Field Of View)



The working environment is with dust, smoke will dirty up the optical lens, and will influence the temperature readings, In order to keep the surface of the optical lens clean, the option accessory of air purge collar is recommend, see fig 4 (Air Purge accessories and option), Please refer to the following pictures:

