

world pro

racing series

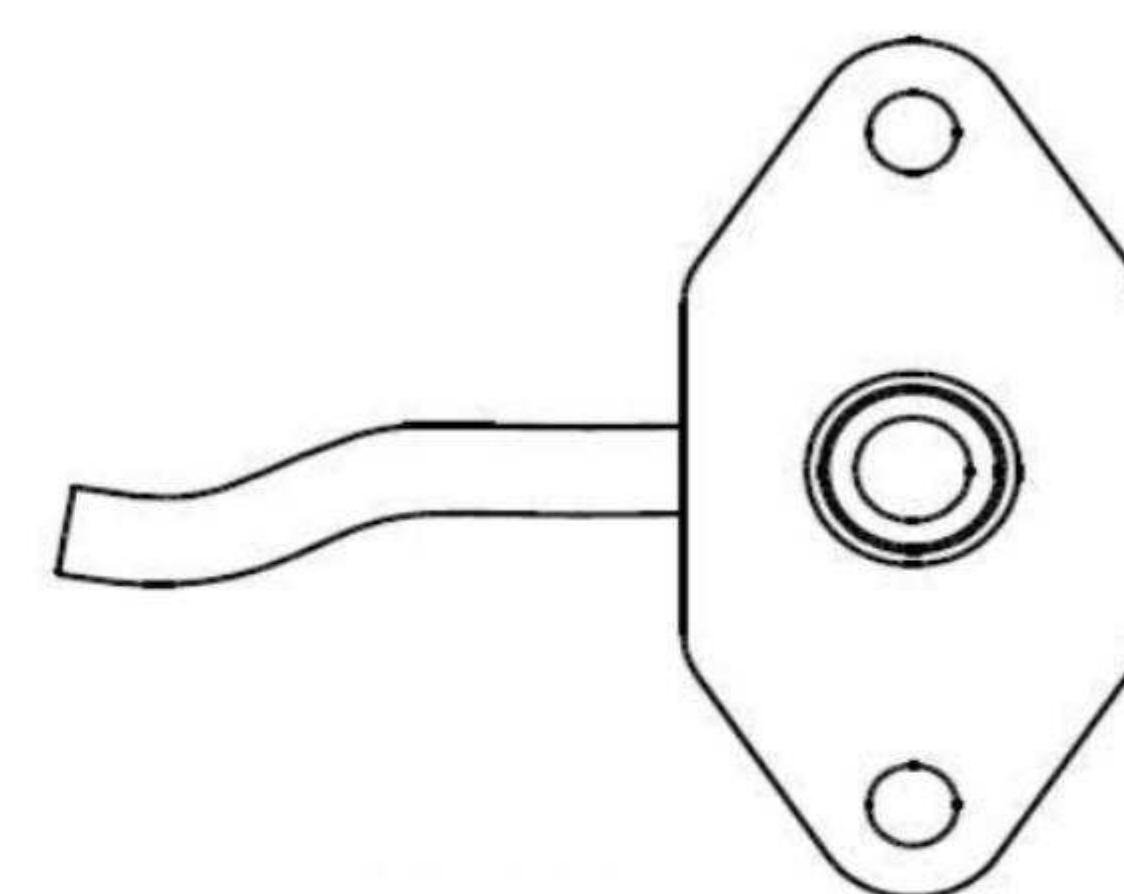
controls



IRDLF-V90-800

Digital Infrared Temperature Sensor

For low emissivity materials



Range
Accuracy
Sensitivity

From 50 to 800°C
1% FS
Linear output. See calibration
table. In mV/°C

Response time

5 ms

Supply voltage
Supply current
Output voltage std
Output impedance

5 to 16 V
4 mA
0 to 5 V
47 Ω

Sensitive element
Wave length
Calibration distance
Calibration field of view

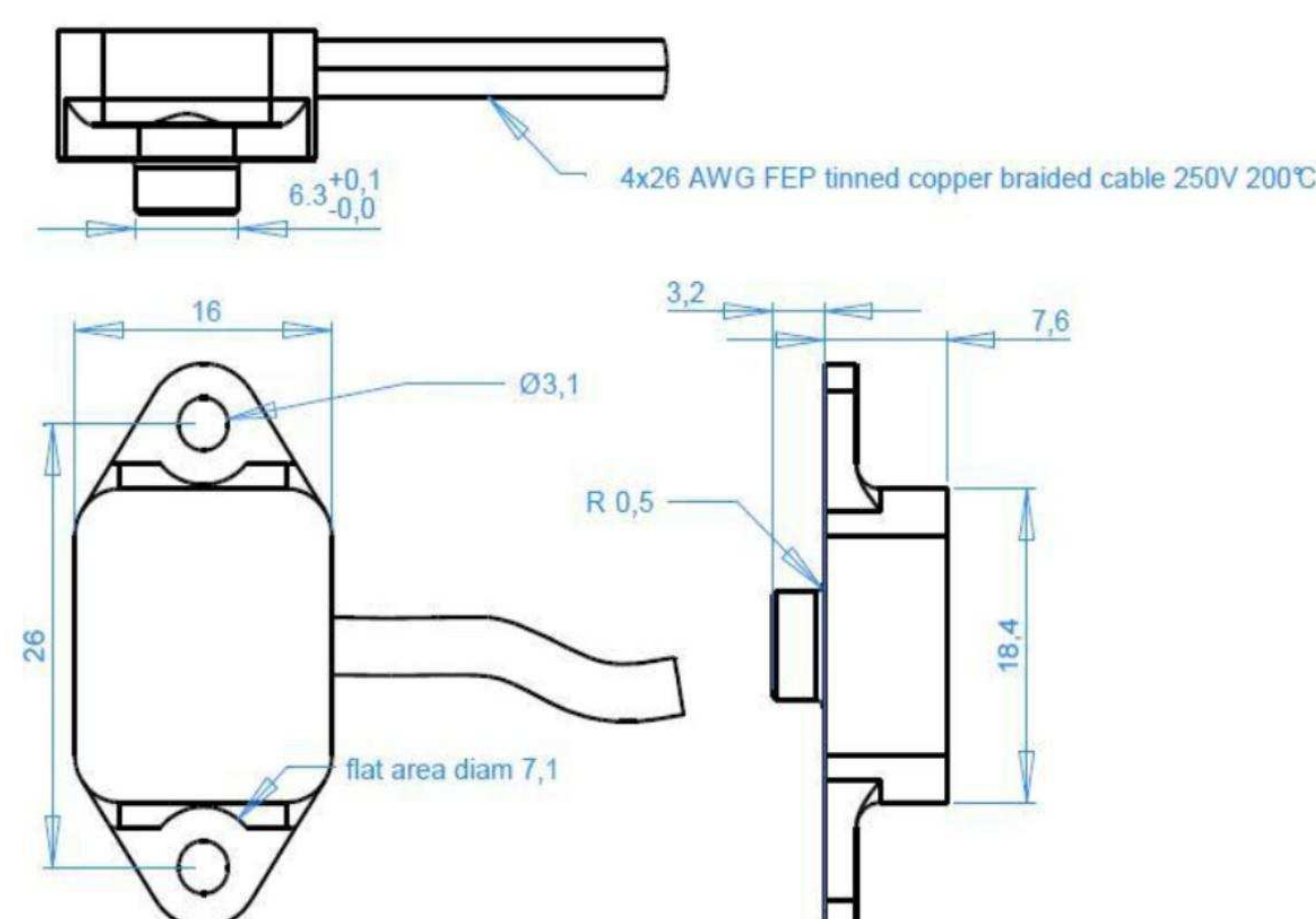
Photodiode with Germanium lens
2 to 2.5 μm
60 mm
64°

Operating temperature
Storage temperature

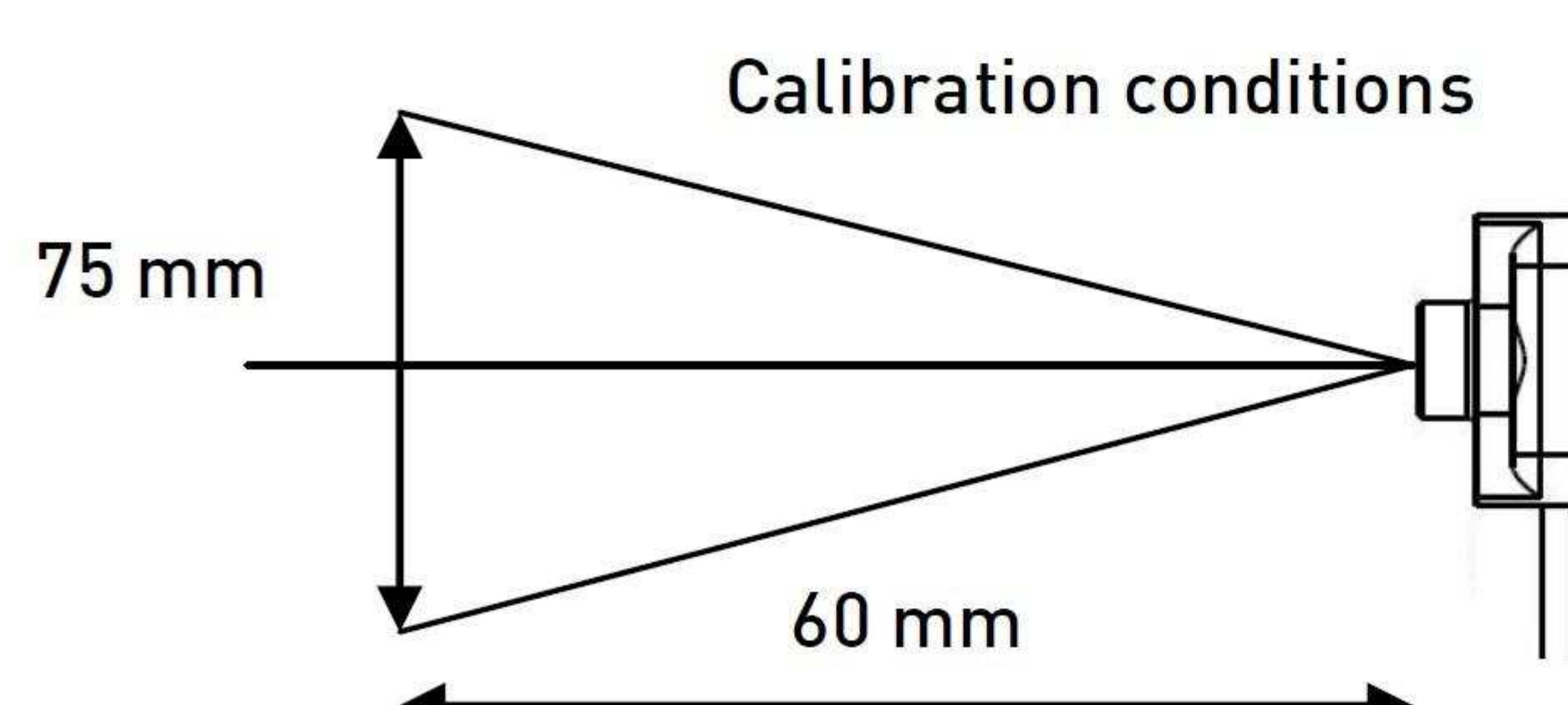
0 to +80 °C
-25 to +125 °C

Housing
Dimension
Weight (without cable)

Aluminium
33 x 16 x 11 mm
15 g



Calibration tables (for 0-5V output)	
°C	800°C 6mV/°C
0	0
20	0.12
50	0.30
100	0.60
150	0.90
200	1.20
300	1.80
400	2.40
500	3.00
600	3.60
700	4.20
800	4.80



1 m cable of 4X26AWG FEP
tinned copper braided cable 250V 200°C

Red Supply
Black 0 V
White Analog signal
Green Do not connect
Braid Not connected to case

In the interest of continuous product improvement, we reserve the right to alter without prior notice the specifications and features described in this document

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