

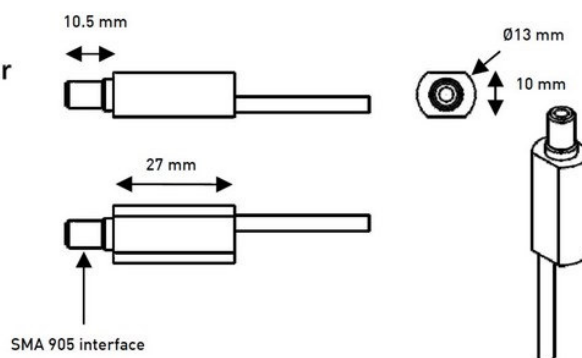


IFbN

Digital infrared temperature sensor for harsh environments

Amplifier

Range	From 50 to 1200°C
Accuracy	2% FS
Sensitivity	Linear output. Contact us for calibration table
Response time	<5 ms
Supply voltage	5 to 30 V
Supply current	4 mA
Output Signal	0 to 5 V
Sensitive element	Photodiode
Wave length	2 to 2.5 µm
Calibrator	Land P550P
Emissivity (factory tuning)	> 99 %
Operating temperature	-20 to +80 °C
Storage temperature	-25 to +125 °C



Ordering ref: IFbN-Range

300
500
800
1000
1200

Example: IFbN-500

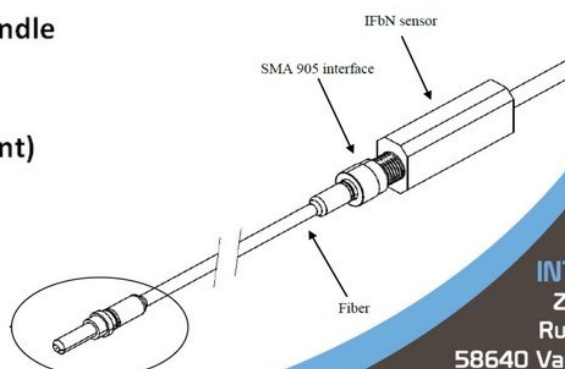
1 m cable of 4X26AWG FEP tinned copper braided cable 250V 200°C

Red Supply
Black 0 V

White
Green
Braid

Analog signal
Do not connect and isolate

Optic Fiber	Monofilament or bundle
Measurement distance	1 to 50mm
FOV	30°
Minimal bending radius	40 mm (monofilament) 15 mm (bundle)
Fiber protection	IP67
Operating Temp (fiber)	-20 to +200°C
Storage temp	-20 to +125°C



Optic Fiber

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