

Infrared Temperature Sensor - Block Type

- Temperature ranges from 150° to 1200° C
- Aluminum housing
- Available also as 200° C linear version

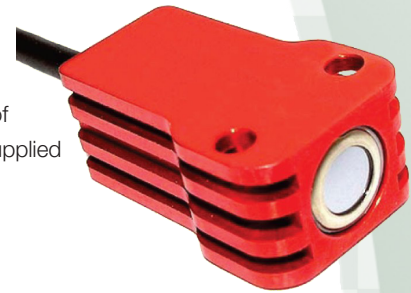
The Variohm range of Block (or rectangular) Infrared Temperature sensors cover a number of temperatures from 150° to 1200° C. The housing is manufactured from aluminium and is supplied as standard anodised red, though black is available on request.

There is also a 200° C linear version.

EURO FT = The standard version, to which details below refer

EURO FBB = Black anodised housing

EURO FBL = Linear (200° C only)



General specification

Part Number	EURO FT-150	EURO-FT-1000	EURO FT-1200
Range	150° C	1000° C	1200° C
Sensitivity		Non Linear	
Min Measurable Temp	Ambient -40° C	Ambient	Ambient
Error		+/- 1%	
Measurement Distance		30 mm to 70 mm	
Field of View		14°	
Spot Size		Ø20 mm at 50 mm distance	
Max. Ambient Temperature		120° C	
Supply Voltage		5 to 16 VDC	
Output		0 to 5V	
Standard Supplied Cable	one metre of PTFE 26 AWG three-core screened cable*		
Circuit Colours	Red = +VE, White = SIG, Blue = GND		
Screen Connection	to sensor case		
Material	Aluminium Housing		
Weight (excluding cable)	15 g		

* other types and lengths are available on request

Dimensions and calibrations

Calculated temperature compensation readings.		
Temperature at brake disc in °C	Voltage reading at sensor ambient temperature of	
	20°C	120°C
0	0,002	-0,019
120	0,017	0,000
200	0,045	0,028
300	0,107	0,089
400	0,210	0,192
500	0,371	0,354
600	0,609	0,591
700	0,944	0,926
800	1,399	1,382
900	2,002	1,984
1000	2,780	2,762
1100	3,764	3,747
1199	4,976	4,958
1200	4,989	4,972
1201	5,003	4,986

