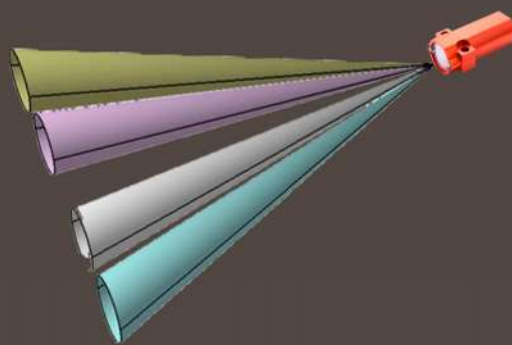




IRN4C

1/2

4-Channel Infrared tyre temperature sensor for CAN Bus

Range	-20 to +140°C -20 to + 200°C
Measurement	4 channels in line
Accuracy	+/- 1 % FS
Response time	260 ms at FS (=400 ms on raw input)
CAN bus 2.0 B	120 Ω not installed (on demand)
Output data	2 bytes per channel (signed int)
Resolution	0.1 °/bit
Baud rate	125 k to 1Mbps
Frequency	1 Hz, 10 Hz, on trigger
Supply voltage	6 to 16V
Supply current	17 mA
Measurement distance	50 to 400 mm
Mean angle between channels	9° channel 1 to 3 & 6 to 8 13.5° channel 3 to 6
Field of view (90% radiation)	6.5 : 1 at 200 mm 3.3 : 1 at 50 mm
Wave length	8 to 14 µm
Emissivity/distance tuning	Gain factor by CAN 0.5 to 2
Operating temp	-20 to + 100°C
Storage temp	-40 to + 125°C



Distance	Ø target per channel	Total width
50 mm	15 mm	40 mm
100 mm	19 mm	75 mm
150 mm	24 mm	112 mm
200 mm	30 mm	152 mm
300 mm	45 mm	228 mm
400 mm	60 mm	304 mm

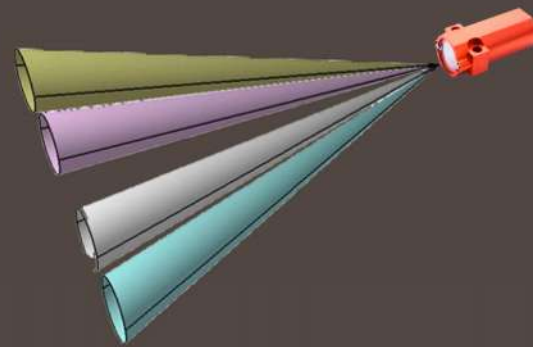
lens 0°

Ordering ref	ex : IRN4C-F2-200
IRN4C- F1 - Range	
200 (200°C)	
140 (140°C)	

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

Red	Supply
Black	0 V
Green	CAN High
White	CAN Low
Braid	Not connected

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



IRN4C

4-Channel Infrared tyre temperature sensor for CAN Bus

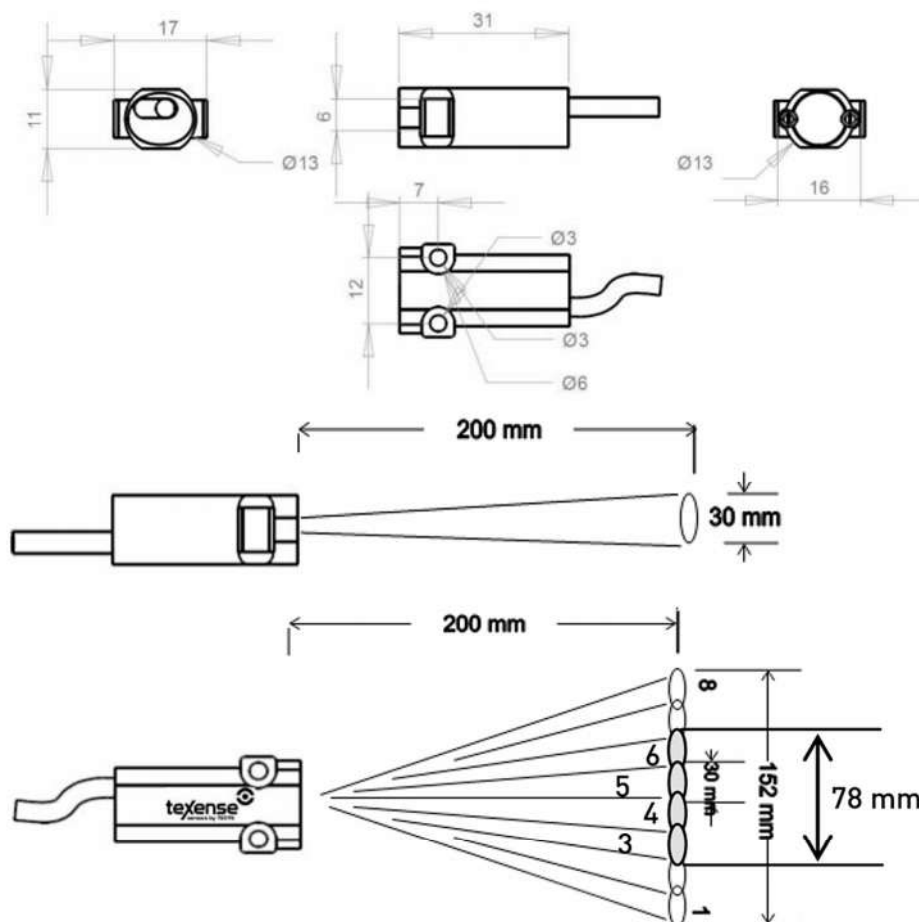
2/2

Housing Dimensions

Aluminium
31x11x17 mm

Weight (without cable)

15 g



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