

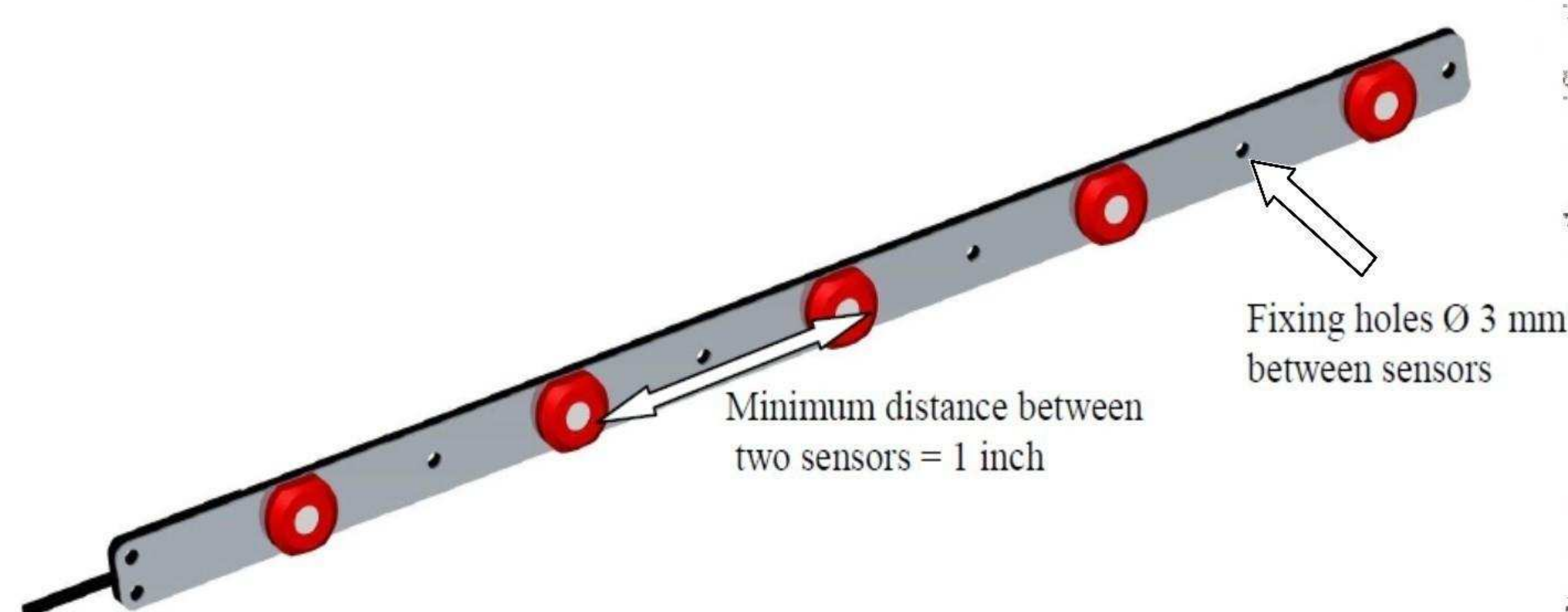
# IRN-RC

## 3 to 8 Channel Infrared tire temperature sensor for CAN Bus

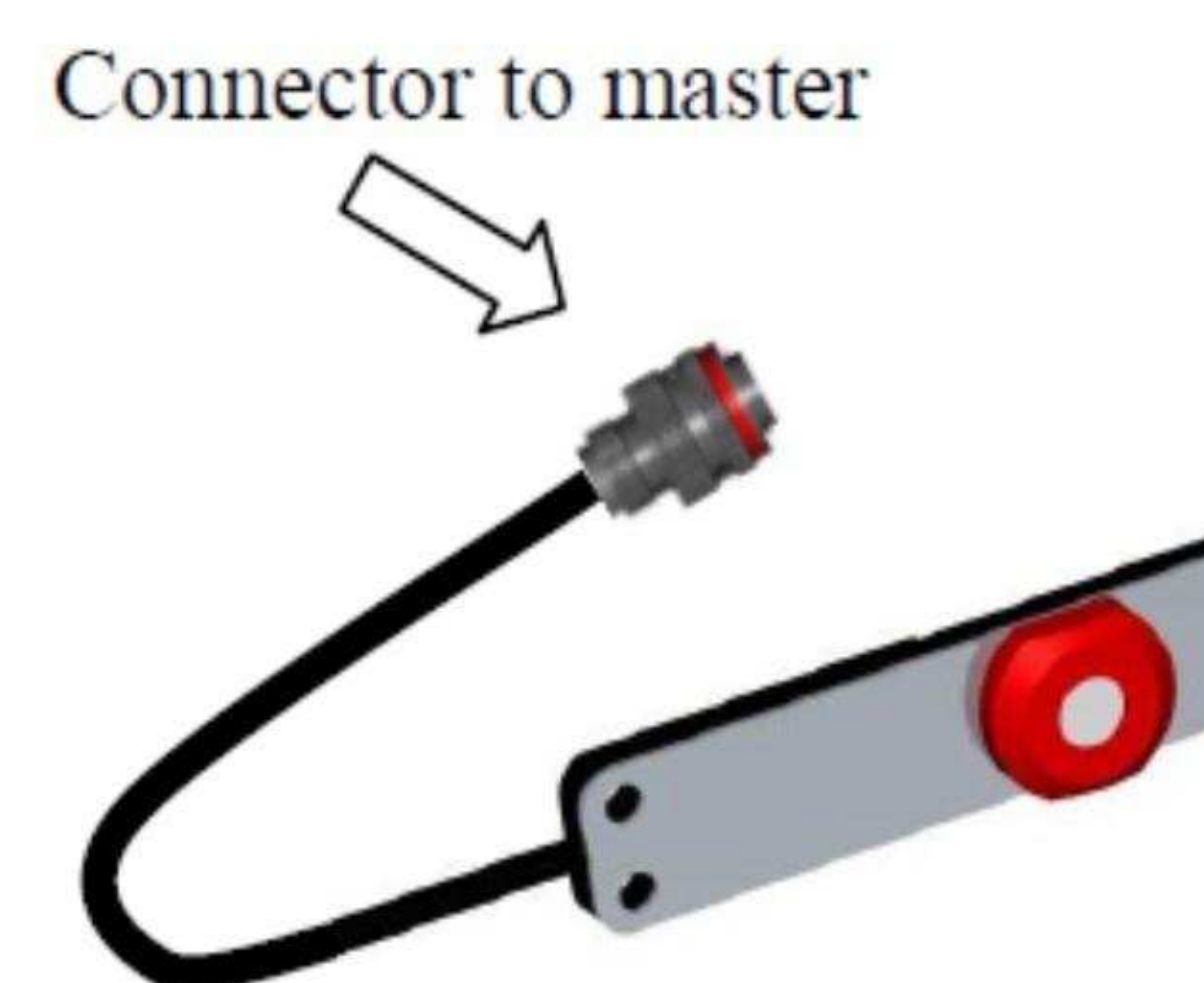
<b>Range</b>	-20 to + 200°C
<b>Measurement</b>	3 to 8 channels
<b>Accuracy</b>	+/- 1 % FS
<b>Response time</b>	100 ms at FS
<b>Sampling frequency</b>	50 Hz
<b>CAN bus 2.0 A</b>	120 Ω not installed (on demand)
<b>Output data</b>	2 bytes per channel (signed int)
<b>Resolution</b>	0.1 °/bit
<b>Baud rate</b>	125 k to 1Mbps
<b>Frequency</b>	1 Hz to 200Hz, request mode
<b>Supply voltage</b>	6 to 16V
<b>Supply current</b>	29 mA max
<b>Wave length</b>	5.5 to 14 μm
<b>Field of view (90% radiation)</b>	1:2 (80mm at 40mm)
<b>Lens protection</b>	Replaceable window (PEHD)
<b>Master CAN dimensions</b>	27x13x10 mm
<b>Flex strip dimensions</b>	See drawing
<b>Max distance between MCB and last cell</b>	600 mm
<b>Material</b>	Aluminium, steel, rubber
<b>Weight (without cable)</b>	15 g
<b>Operating temp</b>	-20 to + 85°C
<b>Storage temp</b>	-40 to + 125°C

<b>Red</b>	Supply
<b>Black</b>	0 V
<b>Green</b>	CAN High
<b>White</b>	CAN Low
<b>Braid</b>	Not connected

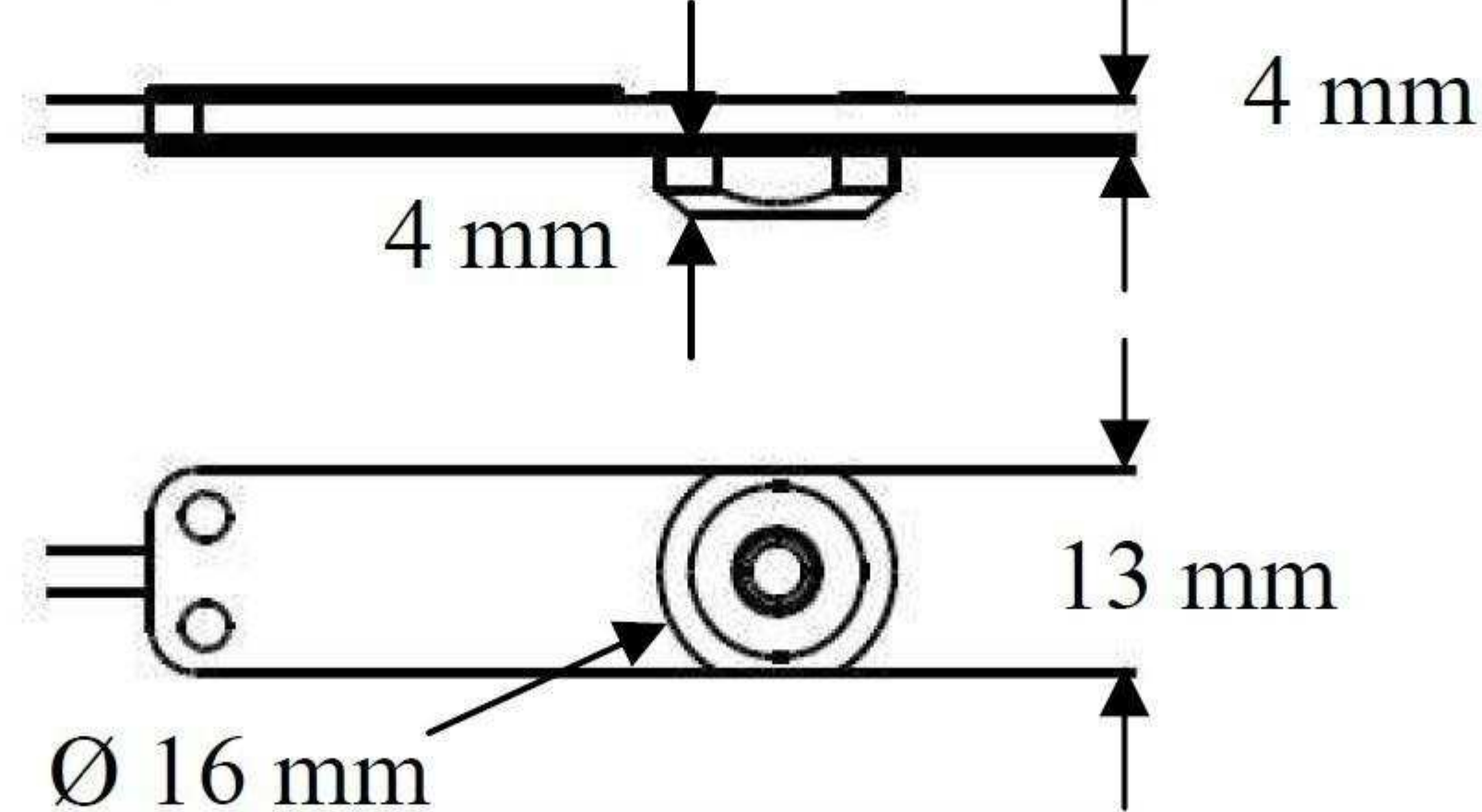
Cable: 4X26AWG FEP tinned copper braided cable 250V 200°C



Sensors and fixation holes position step : 1/2 inch  
Cell #1 nearest from master



IRN-RC Flex with 8STA0-02-05-P-N connector



IRN-RC Master with 8STA0-02-05-S-N connector

