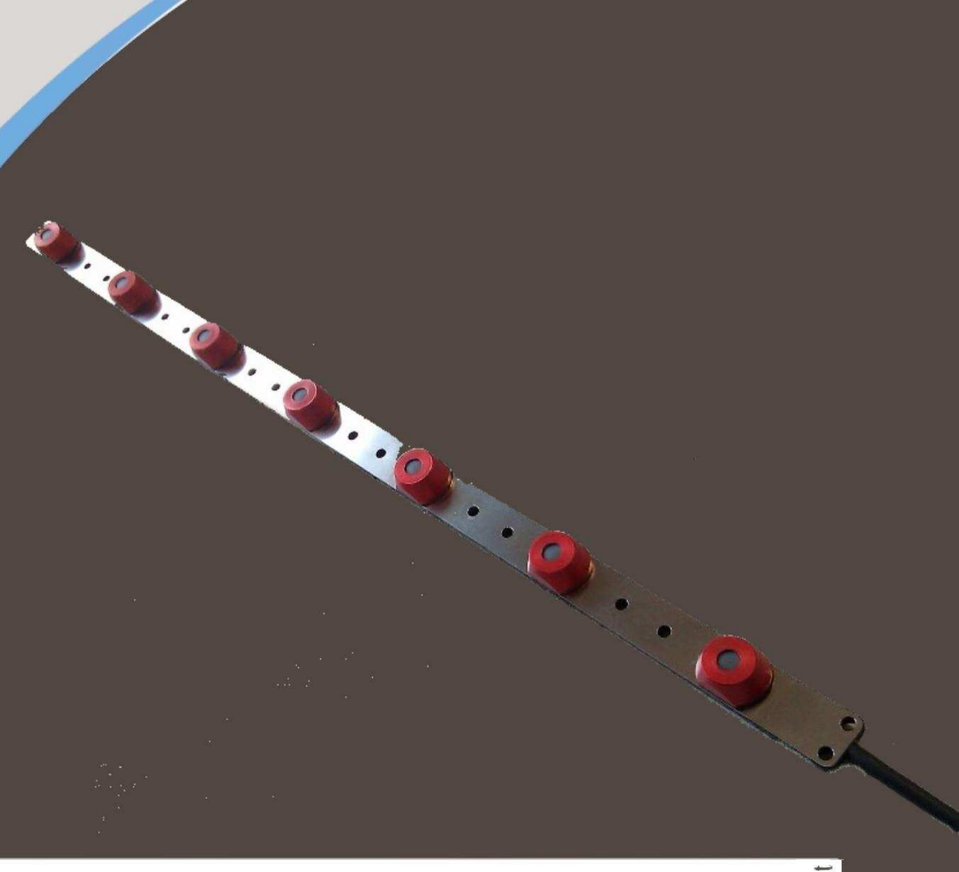
world pro | racing series | controls

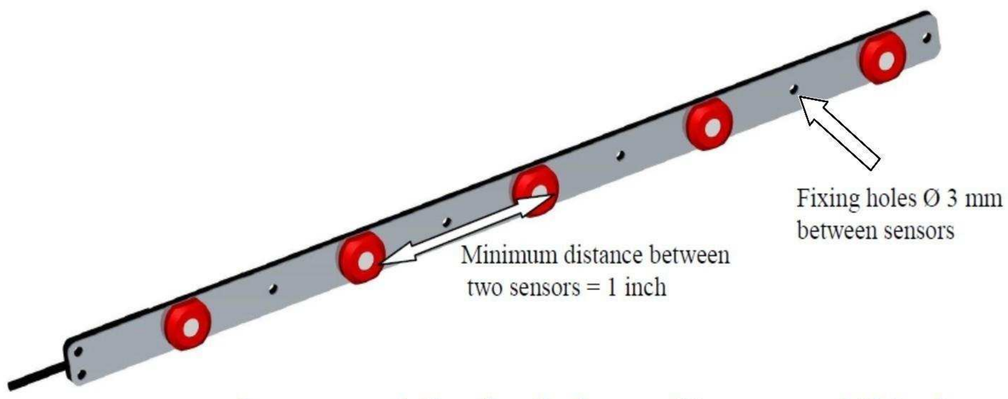
teXense
world pro by TEXYS



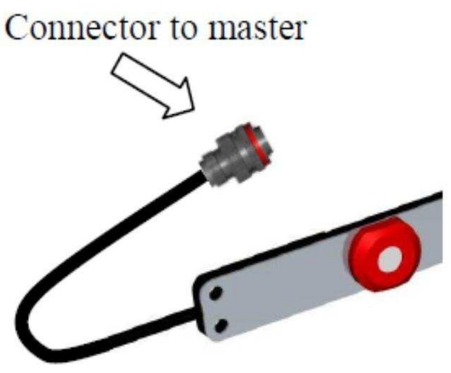
IRN-RC

3 to 8 Channel Infrared tire temperature sensor for CAN Bus

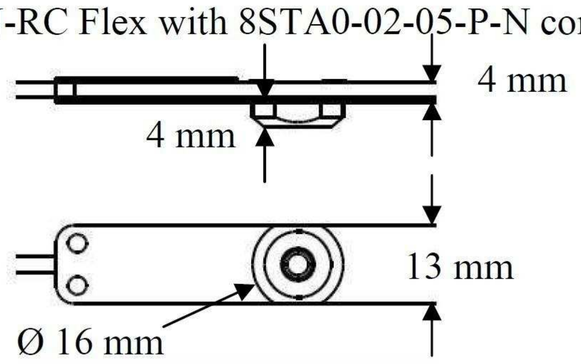
Range	-20 to + 200°C
Measurement	3 to 8 channels
Accuracy	+/- 1 % FS
Response time	100 ms at FS
Sampling frequency	50 Hz
CAN bus 2.0 A	120 Ω not installed (on demand)
Output data	2 bytes per channel (signed int)
Resolution	0.1 °/bit
Baud rate	125 k to 1Mbps
Frequency	1 Hz to 200Hz, request mode
Supply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



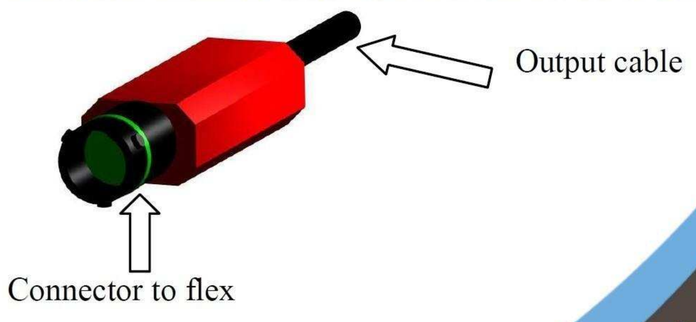
Sensors and fixation holes position step : 1/2 inch
Cell #1 nearest from master



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



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



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

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

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