

IRN8C1 8 channel infrared temperature sensor for CAN Bus

Range -20 to +200°C
 Accuracy @ 180°C +/- 1 % FS
 Response time 400ms
 Supply Voltage 6 to 16 V
 Supply current 35 mA
 Measurement 8 channels in line
 Total width 175mm at 200mm distance
 Field of view for 90% signal 6.5 : 1 (30mm at 200mm)
 IR Wave length 8 to 14µm
 Emissivity 99%
 Calibrator Land P550P
 Lens protection Replaceable window

Dim (mm) 25 x 13 x 17
 Material Aluminium
 Weight 15 g
 Protection IP64

Vibration test 20Gpp 5'
 Shock 1000G

Operating Temp -20 to +85°C
 Storage Temp -40 to +125°C

CAN bus 120 ohms (resistor not installed)
 Output Data calibrated temperature: 2 bytes (signed int) per channel
 Resolution 0.1° bit
 Parameters All parameters configurable:
 Identifiers, Baud rate, frequency ...
 + Degree/Celsius, gain factor, response time

Connection 4 x AWG26 FEP tinned copper braided cable 250V 200°C
 Tubing 50mm DR25TW

Wire Colour	Function
Red	Supply (6 to 16V)
Black	0V
Green	CAN High
White	CAN Low

Braid not connected

