

FS-IR-1000-D 1000C DIGITAL IR BRAKE SENSOR

LINEAR OUTPUT INFRA RED BRAKE
TEMPERATURE SENSOR. WITH GRADIENT
COMPENSATION USING DIGITAL CORRECTION

FEATURES

150 C AMBIENT WORKING RANGE
LINEAR 0 TO 5 VOLT OUTPUT
LIGHT WEIGHT DESIGN
GRADIENT COMPENSATION
5-DEGREE FIELD OF VIEW

ELECTRICAL

CURRENT CONSUMPTION 23Ma
VOLTAGE INPUT RANGE 7V TO 24V
OUTPUT 0V TO 5V
MAXIMUM TEMPERATURE -20 TO 150C
RESPONSE TIME 50hz

WIRING DETAILS

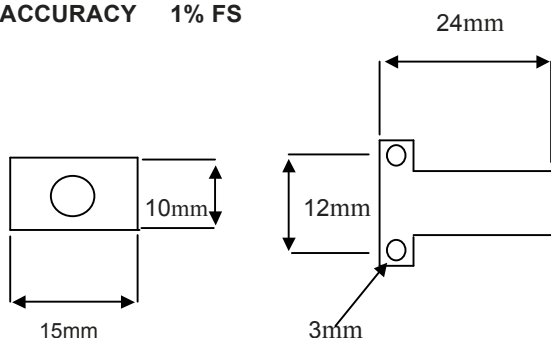
28 AWG MIL SPEC WIRE

RED +V
BLACK GND
WHITE SIGNAL

MECHANICAL

Material Aluminum HE 30
Weight 6.5 Grams
Protection IP64
Vibration 9 G 100-1000Hz 24 HRS

ACCURACY 1% FS



ADVANCED DIGITAL TEMPERATURE CORRECTION

FS-IR-1000- D has been designed to measure the temperature of brake discs using a unique temperature compensation. The sensor has three different types of temperature sensor built in to actively compensate the output. Each sensor has its profile digitally logged in manufacture to create the math's to apply the correction to the sensors.

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NEW SENSORS FOR 2017