Senther IN-17A

Charge converter for High-temp sensor

Features

- IEPE signal convertor
- Built in high/low pass filter
- Easy plug and play
- Low noise signal
- Interface with PE sensor
- Gain option available
- Light weight
- Low source resistance compatible

Electrical

Power requirement	2~20 mA
Compliance voltage	18~30 Vdc
Bias voltage	8~12 Vdc
Gain option(mV/pC)	0.1/1/10
Frequency response(±5%)	0.5~20KHz
Upper cutoff frequency(-3dB)	30KHz
Source resistance	>10KΩ
Source capacitance	<5nF
Output resistance	<50Ω
Output Max. 25°C	±5V
Gain accuracy	±2.5%
Gain stability	±1%

Environmental

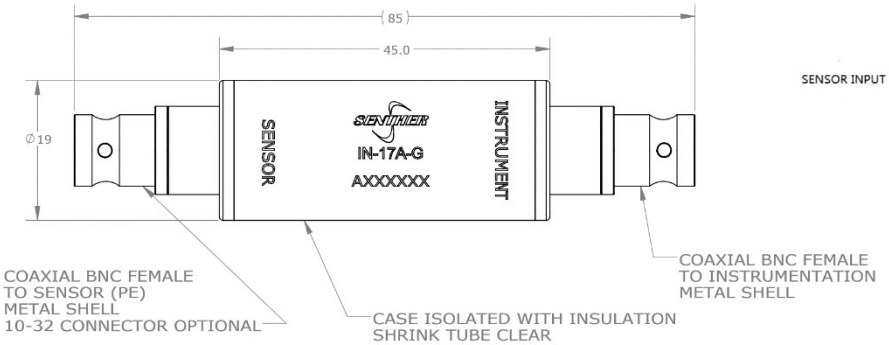
Temperature range	-40 to 85°C
Warm up time	<30s
Shock limit	100g peak
Vibration limit	20g peak
Case	Stainless steel
Sealing	Epoxy sealed

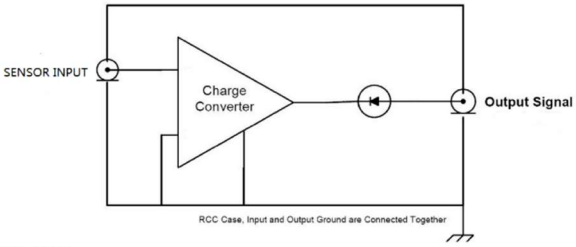
Physical

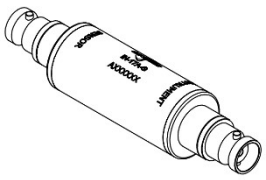
Weight	32grams
Input connector	Optional
Output connector	BNC(Male)

Note:

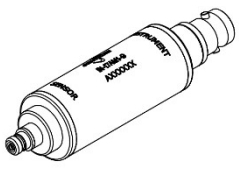
Gain accuracy at 1nF source capacitance and 100Hz ref frequency
Gain stability referred to 25 °C at 100Hz from -40°C to 85°C
Noise refer to input(pC): 0.002x((2.5+Ci)^2+1.2/Ri)^0.5
Ci=Input capacitance(pF)
Ri=Input resistance(MΩ)







MODEL IN-17A
BNC TO BNC



MODEL IN-17AM1
10-32 TO BNC

Ordering Information

IN-17A-10
-10: 10 mV/pC
-1: 1 mV/pC
-0.1: 0.1 mV/pC