

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

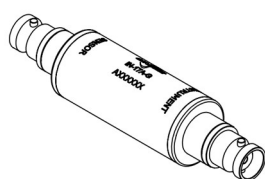
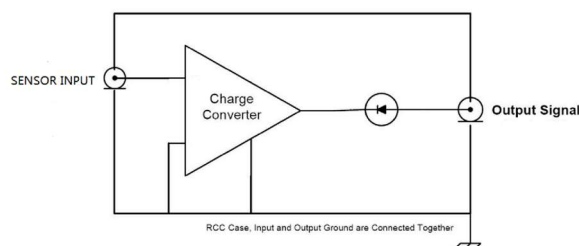
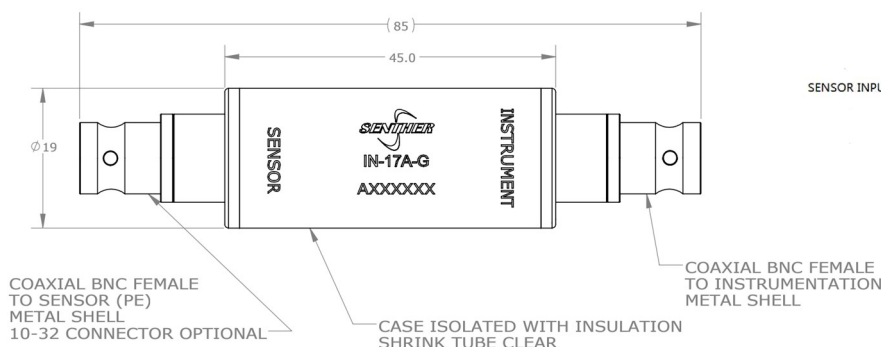
Temperature range.....	-40 to 85°C
Warm up time.....	<30s
Shock limit.....	100g peak
Vibration limit.....	20g peak
Case.....	Stainless steel
Sealing	Epoxy sealed

Physical

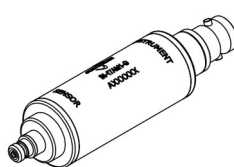
Weight.....	32grams
Input connector.....	Optional
Output connector.....	BNC(Male)

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): $0.002 \times ((2.5 + C_i)^2 + 1.2/R_i)^{0.5}$
 C_i =Input capacitance(pF)
 R_i =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