# Senther IN-07

## Inline charge converter


## Features

- Easy plug and play
- Low noise
- Interface with PE sensor
- Gain option available
- Light weight

## Application

- High temp accelerometer
- Piezoelectric force sensor
- Piezoelectric pressure sensor
- Gain option available

## Electrical

| | |
|---|---|
| Power requirement | 4~20 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 | >100KΩ |
| Source capacitance | <5nF |
| Load resistance | <50Ω |
| Load capacitance | >100pF |
| Output Max. 25°C | ±10V |
| Gain accuracy | ±2.5% |
| Gain stability | ±1% |

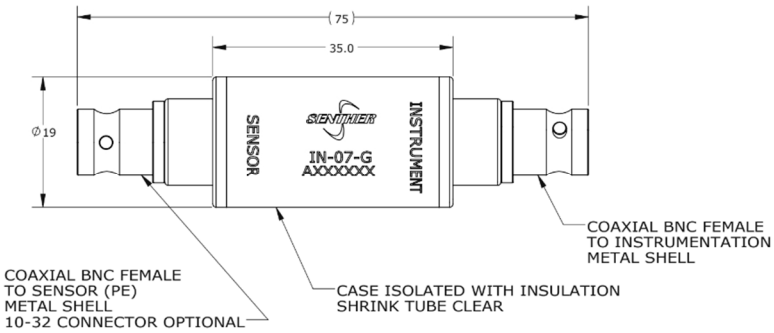
## Environmental

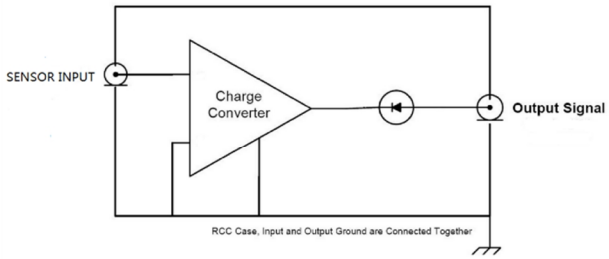
| | |
|---|---|
| Temperature range | -40 to 100°C |
| Shock limit | Up to 100g |
| Case | Stainless steel |
| Sealing | Epoxy seal |

## Physical

| | |
|---|---|
| Weight | 40grams |
| Input connector | 10-32/BNC(Female) |
| Output connector | BNC(Female) |

Note:
Gain accuracy at 1nF source capacitance and 100Hz ref frequency
Gain stability referred to 25 °C at 100Hz from -40°C to 100°C




## Ordering Information

IN-07M1-10
- M1: Sensor input by 10-32 receptacle
- Blank: Sensor input by BNC receptacle
  - -10: 10 mV/pC
  - -5: 5 mV/pC
  - -1: 1 mV/pC
  - -0.1: 0.1 mV/pC