



SINOCERA



## Miniature Charge Amplifier

YE5851A/B/C

- Small, rugged, quakeproof, hermetic.
- Suitable for laboratories and fields test.
- Fixed gain and sensitivity normalized;
  - YE5851A: Dual power supply
  - YE5851B: Single power supply
  - YE5851C: Dual power supply, Differential charge input



### SPECIFICATIONS:

Input Range	Charge:±103 pC (Max)
Output Range	±10VP/5mA ( Max)
DC Offset	YE5851A/C: ≤±50mV(dual power) YE5851B: ½VCC±50 mV(single power)
Overload Impedance	≥2kΩ
Noise	≤0.01pC(referred to input)
Gain	1-100mV/pC(default: 100 mV/pC)
Accuracy	≤±1%
Transducer sensitivity adjustment	Built-in calibration resistance (The Gain of amplifier is set 100 mV/pC, or made normalization according matched sensor's sensitivity)
Low Pass Filter	≤100kHz (:-3dB±1dB, -12dB/OCT)
High Pass Filter	1Hz(-3dB±1dB, -6dB/OCT)
Temperature	Operating: 0°C to 40°C ; Storage: -55°C to 85°C
Humidity	95%R.H.(Max)
Power Supply	YE5851A/C:±6 to ±15VDC; YE5851B:+12 to +30VDC
Dimensions	50mmW×32mmH×100mmD
Weight	0.25Kg
Connection	Input: YE5851A/B:L5; YE5851C: four-core special input socket Output: 4-wire plug
Input Cable	YE5851A/B: double-ended L5 STYV-1 low noise cable(2m) YE5851C:special input cable
Output Cable	Four-core cable with aviation plug