

# Universal Low Noise Charge Amplifier



**YE5852** charge amplifier is low noise charge amplifier whose output voltage is direct proportional with input charge.



## Description

YE5852 charge amplifier is low noise charge amplifier whose output voltage is direct proportional with input charge. It can measure vibration, impact, and dynamic force with piezoelectric transducer or other piezoelectric transducers. It's used widely in mechanics, water conservancy, dynamic force, mining, traffic, architecture, aviation, spaceflight, weapon, chemistry explosion etc. It's also suitable for calibration of accelerometer.

## Features:

- High precision, Low noise
- Wide dynamic Range
- High current output : 100 mA
- PE or Voltage Inputs
- Selectable HPF and LPF Corner Frequencies
- Selectable Gain
- Overload Indicator
- three bit decimal transducer sensitivity regulation. Normalization output can be obtained with transducer of different sensitivity
- Phase error of multi-machine  $< 3^\circ$

**Specifications:**

<b>Model</b>	<b>YE5852</b>
<b>Charge Input (pC)</b>	$\leq \pm 106$
<b>Voltage Input (V)</b>	$\leq \pm 10$
<b>Sensitivity Normalized</b>	3 digit dial-in
<b>Gain (mV/pC)</b>	0.01- 1000
<b>High Pass Filter (Hz)</b>	0.3,1,3,10,30,100
<b>Low Pass Filter (kHz):Switchable</b>	0.3,1,3,10,30, 100
<b>Accuracy</b>	$\pm 1\%$
<b>Noise(RTI)</b>	$\leq 5\mu V$
<b>Output</b>	$\pm 10V_p/5mA$
<b>Overload indication</b>	Yes
<b>Operating Temperature (°C)</b>	0-+40
<b>Power Supply</b>	DC: $\pm 18 \pm 28V$ AC:220V50Hz AC:110V60Hz
<b>Weight (Kg)</b>	1.5
<b>Dimensions: W×H ×D (mm)</b>	70×132.5×200

Sinocera Piezotronics, INC is professional as one of the credible universal low noise charge amplifier manufacturers and suppliers in China. Our universal low noise charge amplifier has CE certification and it is sold at a competitive price. And we have a professional factory at your service. Come and buy our high-quality products.

Hot Tags: universal low noise charge amplifier suppliers China, manufacturers, factory, buy, price, high-quality, CE certification.