



## Charge Amplifier (Precision)

Model: YE5854A

### FEATURES

- Wide frequency response (0.3Hz to 200kHz).
- Small size with high integrated design.
- Four decimal-system adjustment of transducer sensitivity (1 to 1099pC/UNIT).
- Switchable for Gain, HPF, LPF.
- Low noise and high accuracy.
- Charge, voltage and IEPE inputs.
- Overload indication.
- Suitable for precise measure and calibration.



### Technical Specifications:

Input Range	PE/IEPE: $\pm 10\text{VP}$ (Max)    Charge: $\pm 105\text{ PC}$ (Max)
IEPE excitation resource	4mA/24VDC
Output Range	Voltage: $\pm 10\text{VP}/5\text{mA}$ (Max)
DC Bias	$\pm 100\text{mV}$ (max)
Noise	$\leq 5\mu\text{Vrms}$ (The max gain is converted into input end.)
Gain	0.1, 1, 10, 100mV/ pC (with resource capacitance 1nF)
Accuracy	$\leq \pm 0.5\%$
Low Pass Filter	0.3k, 1k, 3k, 10k, 30kHz (c-3dB $\pm 1\text{dB}$ , -12dB/OCT)
High Pass Filter	0.3, 1, 3, 10, 30, 100Hz (c-3dB $\pm 1\text{dB}$ , -6dB/Oct)
Temperature	Operating: 0°C to 40°C; Storage: -55°C to 85°C
Humidity	95%R.H. (Max)
Power Supply	AC: 220V50Hz/110V650Hz
Dimensions	70mmW $\times$ 132.5mmH $\times$ 200mmD
Weight	1.5kg
Connection	Input: L5; Output: BNC;
Input cable	Double-ended L5 STYV-1 low noise cable(2m)
Output cable	Double-ended BNC 50 $\Omega$ output cable(2m)
Power cable	one