



Charge Amplifier(Quasi Static)

Model: YE5850

Features:

- Wide frequency bandwidth and high input impedance
- Three decimal-system normalization output(1-109.9 pC/UNIT)
- Built-in multiple low pass and high pass filters
- Both charge and voltage inputs, equipped with polarity-reversing switch
- Quasi-static measurement, lower frequency limit up to 2μHz, the dynamic and static force, pressure and acceleration could be measured
- Quasi-static measurement (lower limit 2μHz)
- Overload indication



Specifications:

Input Range	Voltage: $\pm 10\text{VP}$ (Max); Charge: $\pm 10^6$ pC (Max)
DC Equivalent Resistance	About $10^{14}\Omega$
Output	Voltage: $\pm 10\text{VP}$
Noise	$\leq 15\mu\text{V}$ (The max gain is converted into input end.)
Gain	0.01; 0.1; 1; 10; 100; 1000mV/pC (with transducer capacitance 1nF)
Accuracy	$\leq \pm 1\%$
Low Pass Filter	0.3k, 1k, 3k, 10k, 30k, 100kHz (cut-off frequency: $-3\text{dB} \pm 1\text{dB}$, damping ratio: 12dB/OCT)
High Pass Filter	3Hz, 0.3Hz, 0.03Hz, and 0.003Hz, M, L (referring to operating instructions)
Temperature	Operating: 0°C to 40°C ; Storage: -55°C to 85°C
Humidity	95%R.H. (Max)
Power Supply	DC: ± 18 to $\pm 27\text{V}$, 300mA; AC: 220V50Hz/110V60Hz
Dimensions	70mmW $\times$ 132.5mmH $\times$ 200mmD
Weight	1.5kg
Connections	Input: L5; Output: BNC;
Input Cable	Double-ended L5 STYV-2 low noise cable(2m), STEF0.9 low noise cable(2m)
Output Cable	Double-ended BNC 50Ω output cable(2m)
Power Supply Cable	AC supply cable(one), DC supply cable(one)