

SMS Charge Amplifier

Model YE5864

Features

- Low noise, interference proof
- All parameters digital switch controlled, high reliability
- All parameters computer program controlled
- Compatible with many transducer input signals
- Standard 3U plugs, compatible with different central control units



Specifications

Input	
Input types	Charge, voltage, ICP transducer
Maximum input voltage	$\pm 5V_P$
Maximum input charge	$\pm 5 \times 10^4 PC$
ICP transducer output	$\pm 5V_P$ (supplying ICP power source 4mA/24VDC)
Sensitivity range	1.00~9.99(pc/unit or mV/unit)
Output	
Output range	Voltage: $\pm 5V_P/5mA$
Noise	$\leq 5\mu V$ (Maximum gain position reference to the input port)
Gain	
Position	1, 10, 100, 1000mV/PC (source capacitance 1nF)
Precision	$\leq \pm 1\%$
Frequency characteristics	
Frequency range	Minimum: 0.3Hz (cut-off frequency: $-3dB \pm 1.5dB$, attenuation rate: -6dB/OCT) Maximum: 30kHz (cut-off frequency: $-3dB \pm 1dB$, attenuation rate: -12dB/OCT)
Environment	
Temperature	Working temperature: 0°C~40°C Storage temperature: -55°C~85°C
Humidity	Maximum 90% R.H.
Other characteristics	
Central control unit	Dynamic data sampler such as YE6262, YE6262A/B, YE6263
Plug-in method	Standard 3U plug, direct plug -in
Signal input/output	Input: L5; Output: BNC
Accessories	
Input cables	8 2m double-head L5STYV-1 low noise cables
Output cables	8 2m double-head BNC 50Ω output cables