

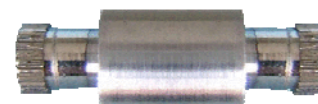


Miniature Impedance Convertor

Model: YE5857A

FEATURES

- Low noise, two-wire system, single-terminal signal input.
- Power supply with constant-current source of two-wire 4-20mA, three fixed gain:0.1,1,10 mV/pC.
- Small size, light weight, good tightness and easy to use.
- If matched with piezoelectric sensor, it could replace IEPE sensor to make IEPE realization, suitable for such



Technical Specifications:

Input Characteristics	Type: Piezoelectric sensor charge output, one side connected to ground; input socket:L5					
Output Characteristics	Type: voltage output, one side connected to ground; output socket:L5; DC output zero point:12.5-15V(-40°C to+100°C) Linearity output range(related to signal frequency)YE5857A-0.1:10Vp-p; YE5857A-1: 10Vp-p; YE5857A-10: 8Vp-p; The max output voltage:20Vp-p(power supply \geq 22V)					
Gain precision	\pm 2.5% (at 1 nF Source Capacitance, reference frequency:160Hz)					
Frequency response range	Model	Gain (mV/pC)	Source Capacitance (Nf)	The lower frequency limit(-3dB)	The lower frequency limit (\pm 5%)	The upper frequency limit (\pm 5%)
	YE5857A-0.1	0.1	20	0.4	1.2	40
	YE5857A-1	1	20	0.4	1.2	40
	YE5857A-10	10	5	2	6	14
Noise	<1mVrms					
Gain Temp. Stability	< \pm 1% (reference frequency 160Hz, -40°C to +100°C) preheating time: four minutes					
Temperature	Operating: -40°C to +100°C; Storage: -65°C to+125°C					
Humidity	95%R.H.					
Power Supply	Constant-current source:4-20 mA; Voltage:18V to 36V (This voltage influences the output amplitude)					
Load Capacitance	<10nF					
DC Output Zero Point	+12.5- +15V (-40°C - +100°C)					
Dimensions	Φ 6.8mm \times 24mm					
Weight	<5g					
Case Material	Stainless steel					
Accessories	Two-meter STYV-2 double-ended L5 low noise cable: two pcs					