

Пьезоэлектрические IEPE акселерометры

Модели & Серии	Особенности	Описание	Применение
 E210A	<ul style="list-style-type: none"> Широкополосная АЧХ Высокая надежность и работа без обслуживания Сопротивление коррозии и герметичность Высокая разрешающая способность Высокое отношение сигнал/шум Высокое отношение качество/цена 	<ul style="list-style-type: none"> Выход от 4 до 20 мА, двухпроводная система Три типа диапазона: от 0 до 10 g, от 0 до 20 g, от 0 до 50 g Пьезоэлектрический выходной сигнал ускорения 	Передача сигнала на большие расстояния и высокая устойчивость к помехам. Применение, главным образом, в управлении процессами и в автоматизации производства.
 E260V	<ul style="list-style-type: none"> Широкополосная АЧХ Высокая надежность и работа без обслуживания Сопротивление коррозии и герметичность Высокая разрешающая способность Высокое отношение сигнал/шум Высокое отношение качество/цена 	<ul style="list-style-type: none"> Выход от 4 до 20 мА, двухпроводная система Три типа диапазона: от 0 до 10 g, от 0 до 20 g, от 0 до 50 g Пьезоэлектрический выходной сигнал ускорения 	Промышленный мониторинг и высокая устойчивость к помехам. Применение, главным образом, в управлении процессами и в автоматизации производства.
 E251A	<ul style="list-style-type: none"> Выход с низким сопротивлением, 100 Ом Расположение кабеля 360° Широкополосная АЧХ и высокая разрешающая способность Небольшая масса, 11 грамм от 2 до 10 000 Гц от минус 55 до +125°C 	<p>Центральное крепежное отверстие обеспечивает исключительно хорошую технологическую гибкость при установке. Режим кругового сдвига и специальная форма установочной поверхности. Выходная чувствительность обладает долговременной стабильностью. Специальное покрытие поверхности гарантирует жесткость контакта. Коаксиальный кабель с низким уровнем шума обеспечивает работу без помех.</p>	<p>Применение для измерения вибрации сложных конструкций и в труднодоступных местах. Широко используется для контроля вибрации вибростендов, в полетных испытаниях, для модального анализа, на транспорте и т. д.</p>
 E280	<ul style="list-style-type: none"> Высокая надежность и работа без обслуживания Сопротивление коррозии и герметичность Высокая разрешающая способность Высокое отношение сигнал/шум Заглушка воздушного отверстия американского стандарта 	<p>E280 – это IEPE-акселерометр, предназначенный для промышленности. Он обладает стабильными и достоверными характеристиками, которые позволяют применять его в различных условиях без необходимости в обслуживании.</p>	<p>Вращающиеся механизмы, электростанции и т. д. Широко применяется в ветроэнергетике, в сталепрокате, на электростанциях, на нефтетрубопроводах, в высокоскоростных поездах, в автоматических линиях сборки продукции и т. д. Мониторинг безопасности механического оборудования, автомобилей, испытательных стендов, двигателей и коробок передач.</p>

Пьезоэлектрические IEPE акселерометры

Модели & Серии	Особенности	Описание	Применение
	<ul style="list-style-type: none"> Высокое отношение качество/цена 		
 E285	<ul style="list-style-type: none"> Высокая надежность и работа без обслуживания Сопротивление коррозии и герметичность Высокая разрешающая способность Высокое отношение сигнал/шум Заглушка воздушного отверстия американского стандарта Высокое отношение качество/цена 	E285 – это IEPE-акселерометр, предназначенный для промышленности. Он обладает стабильными и достоверными характеристиками, которые позволяют применять его в различных условиях без необходимости в обслуживании.	Вращающиеся механизмы, электростанции и т. д. Широко применяется в ветроэнергетике, в сталепрокате, на электростанциях, на нефтетрубопроводах, в высокоскоростных поездах, в автоматических линиях сборки продукции и т. д. Мониторинг безопасности механического оборудования, автомобилей, испытательных стендов, двигателей и коробок передач.
 E286	<ul style="list-style-type: none"> Высокая надежность и работа без обслуживания Сопротивление коррозии и герметичность Высокая разрешающая способность Высокое отношение сигнал/шум Заглушка воздушного отверстия американского стандарта Высокое отношение качество/цена 	E286 – это IEPE-акселерометр, предназначенный для промышленности. Он обладает стабильными и достоверными характеристиками, которые позволяют применять его в различных условиях без необходимости в обслуживании.	Мониторинг вращающегося оборудования, электростанций и т. д. Широко применяется в ветроэнергетике, в сталепрокате, на электростанциях, на нефтетрубопроводах, в высокоскоростных поездах, в автоматических линиях сборки продукции и т. д. Мониторинг безопасности механического оборудования, автомобилей, испытательных стендов, двигателей и коробок передач.
 E358	<ul style="list-style-type: none"> Разрешающая способность в тысячные доли г Работа в трех плоскостях Небольшая масса, 15 грамм Герметичная изоляция От 1 до 7000 Гц (X,Y) от 1 до 8000 Гц (Z) 	E358 – это небольшой трехосевой пьезоэлектрический акселерометр со встроенной микросхемой, чувствительным элементом которого является пьезоэлектрический кристалл, работающий в режиме кругового сдвига. Выходная чувствительность обладает долговременной стабильностью. Специальное покрытие поверхности гарантирует жесткость контакта. Коаксиальный кабель с низким уровнем шума обеспечивает работу без помех.	Модальный анализ конструкций, комплексный мониторинг и анализ, испытания на усталость. Применение в роботостроении, в станкостроении, в аэрокосмической отрасли

Model	Weight grams	Sensitivity mV/g	Range g	Frequency Response Hz	Isolation	Max. Shock g pk	Min. Temp. °C	Max. Temp. °C	Seal	Mounting Method
E210A	140	4–20mA	10/20/50	10 ~ 1000	Yes	1000	-55	+85	316L	6–32 Stud
E224–100	<30	100	100	1 ~ 5000	Yes	2000	-55	+120	Hermetic	10–32 Stud
E224A–100	<20	100	100	0.5 ~ 10000	Yes	2000	-55	+120	Hermetic	10–32 Stud
E260V	140	4–20mA	5/10/ 20IPS	10 ~ 1000	Yes	1000	-55	+85	316L	6–32 Stud
E250–10	0.6	10	±500	2 ~ 15,000	Yes	2,000	-55	+125	Epoxy	1.2 UNM Thread
E250A–10	0.6	10	±500	2 ~ 15,000	Yes	2,000	-55	+125	Epoxy	Adhesive
E251A–10	11	10	±500	2 ~ 10,000	No	5,000	-55	+125	Hermetic	Adhesive or 6–32 Stud
E251A–100	11	100	±50	2 ~ 10,000	No	5,000	-55	+125	Hermetic	Adhesive or 6–32 Stud
E256–10	5	10	±500	1 ~ 10,000	Yes	2,000	-55	+125	Hermetic	Adhesive
E256–100	5	100	±50	1 ~ 10,000	Yes	2,000	-55	+125	Hermetic	Adhesive
E256A–10	5	10	±500	1 ~ 10,000	Yes	2,000	-55	+125	Hermetic	10–32 Stud
E256A–100	5	100	±50	1 ~ 10,000	Yes	2,000	-55	+125	Hermetic	10–32 Stud
E280–10	85	100	±80	2 ~ 8,000	Yes	5,000	-55	+125	Hermetic	1/4–28 UNF Stud
E280–100	85	100	±80	2 ~ 8,000	Yes	5,000	-55	+125	Hermetic	1/4–28 UNF Stud
E285	85	100	±80	2 ~ 8,000	Yes	5,000	-55	+125	Hermetic	1/4–28 UNF Stud
E285L	85	500	±10	0.5 ~ 8000	Yes	5,000	-55	+125	Hermetic	1/4–28 UNF Stud
E286	90	100	±80	1 ~ 9,000	Yes	5,000	-55	+125	Hermetic	1/4–28 UNF Stud
E286L	90	500	±10	0.5 ~ 14000	Yes	5,000	-55	+125	Hermetic	1/4–28 UNF Stud
E293	142	500	±10	0.2 ~ 2300	Yes	5,000	-55	+125	Hermetic	1/4–28 UNF Stud
E308–10	<6	10	50	0.5 ~ 3000	Yes	2,000	-55	+125	Hermetic	10–32 Stud
E308–100	<6	100	50	0.5 ~ 3000	Yes	2,000	-55	+125	Hermetic	10–32 Stud
E322–100	<20	100	50	1 ~ 3000	Yes	2,000	-55	+125	Hermetic	Two M5 screws
E322A–100	<20	100	50	1 ~ 3000	Yes	2,000	-55	+125	Hermetic	An M4 screws
E356–100	<12	100	50	1 ~ 5000	Yes	2,000	-55	+125	Hermetic	10–32 Stud
E356A–100	<8	100	50	1 ~ 5000	Yes	2,000	-55	+125	Hermetic	A 5–40 screw
E358–10	15	10	±500	1 ~ 7,000(X, Y) 1 ~ 8,000(Z)	Yes	2,000	-55	+125	Hermetic	Stud
E358–100	15	100	±50	1 ~ 7,000(X, Y) 1 ~ 8,000(Z)	Yes	2,000	-55	+125	Hermetic	Stud

E224-100 Accelerometer

Applications

- E224-100 is a single axial type IEPE Accelerometer

Characteristics

- Uniaxial Accelerometer
- 2 pin interface, stable and reliable
- ground insulation
- hermetic sealing



Dynamic Characteristics	
Range	±100g (pk)
Sensitivity	100mV/g
Non-linearity	≤ 1%
Frequency response (±5%)	1 ~ 5,000Hz
Response frequency	≥ 20kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
Constant current excitation	2 ~ 20mA
Voltage	18 ~ 30Vdc
Supply current	8 ~ 12Vdc
Shell of insulation, insulation resistance	≥ 50MΩ
Grounding	ground insulation
Environmental characteristics	
Working temperature	-55°C ~ +120°C
Vibration limit	1000 g pK
Shock limit	2000 g pK
Physical characteristics	
Weight	≤ 30g
Case material	Stainless steel
Mounting	10-32 mounting screw

E224A-100 Accelerometer

Applications

- E224A-100 is a single axial type IEPE Accelerometer

Characteristics

- Uniaxial Accelerometer
- 2 pin interface, stable and reliable
- ground insulation
- hermetic sealing



Dynamic Characteristics	
Range	±100g (pk)
Sensitivity	100mV/g
Non-linearity	≤ 1%
Frequency response (± 5%)	0.5 ~ 10,000Hz
Response frequency	≥ 20kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
Constant current excitation	2 ~ 20mA
Voltage	18 ~ 30Vdc
Supply current	7 ~ 12Vdc
Shell of insulation, insulation resistance	≥ 50MΩ
Grounding	ground insulation
Environmental characteristics	
Working temperature	-55°C ~ +120°C
Vibration limit	1000 g pK
Shock limit	2000 g pK
Physical characteristics	
Weight	≤ 20g
Case material	Stainless steel
Mounting	10-32 mounting screw



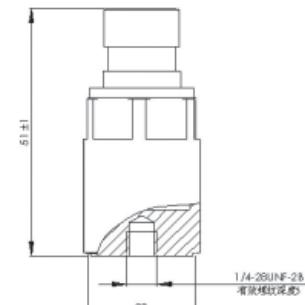
E260V 4–20mA Piezoelectric Velocity Transducer

Characteristics

- Piezoelectric velocity transducer, without active parts
- 4–20mA output, two wires system
- 0–5IPS, 0–10IPS, 0–20IPS three ranges
- Using for industrial monitoring, strong anti-interference ability



DYNAMIC CHARACTERISTICS	UNITS	E260V-5/10/20
Output(at 160Hz)	0IPS	4±0.3mA
	50/10/20 IPS	20±2mA
Frequency response(±3 dB)	Hz	10–1000
Response frequency	Hz	>10kHz
Transverse sensitivity	%max	<5%
Dynamic range	IPS	5/10/20
ELECTRICAL CHARACTERISTICS		
EXCITATION	VDC	15 ~ 30
Load resistance	R _L	See formula
ENVIRONMENTAL CHARACTERISTICS		
Working temperature	°C	-55 ~ +85
Shock limit	g	1000
PHYSICAL CHARACTERISTICS		
Weight	gram	~ 140
Sensing element	/	PZT ceramics
Sensing structure	/	Shear mode
Mounting hole	/	1/4–28
Case material	/	316L
Connector	/	2Pin-5015C-MIL
Mounting torque	N · m	3 ~ 5



1. The relative calibration of accelerometer's sensitivity through back-to-back mode to process, which standard sensor can trace back to NIST.
2. The sensor can choose different length wires, suggested length is no less than 30 m
3. Output test load resistance R_L:

$$R_L(\text{max}) = \frac{V_{\text{power}} - 15V \times (1\text{mA}/0.001\text{A})}{20\text{mA}}$$

Excitation voltage	Typical Max. load resistance R _L
20V	250Ω
24V	450Ω
26V	550Ω
30V	750Ω

E250-10 Accelerometer

Description

- E250-10 is an extremely small, adhesive mounting piezoelectric accelerometer, its element is piezo-crystal in annular shear mode
- Long stability of sensitivity output
- Equipped with a field-replaceable miniature cable
- Signal ground is isolated from the mounting surface by a ceramic mounting base

Characteristics

- Low impedance output
- Adhesive mounting
- Light weight (0.6 grams)
- Wide bandwidth, high S/N
- Flexible cable

Dynamic Characteristics	
Range	±500g
Sensitivity(±5%)	10mV/g
Non-linearity	≤ 1%
Amplitude Response(±1dB)	2 ~ 15,000Hz
Resonant frequency	80kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
DC output bias voltage	+6.5 ~ 12.5Vdc
Output Resistance	≤ 100Ω
Residual noise (2Hz ~ 25kHz)	0.0015 g rms
Grounding	Signal ground is isolated from ground by a mounting screw
Power Requirement	
Excitation voltage	+18 ~ +24Vdc
Supply current	+2 ~ +20mA
Warm-up time(to within 10% of final bias)	<3Sec
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	1000 g pk
Shock limit	2000 g pk
Humidity	Epoxy sealed
Thermal transient Sensitivity	0.18g pk/°C
Base strain Sensitivity	0.0004g pk/μ Strain
Electromagnetic sensitivity	0.0001g rms/gauss
Physical characteristics	
Weight	0.6grams
Case material	Anodized aluminum alloy case, beryllium copper lid, alumina mounting surface
Mounting	Flat surface provided for adhesive mounting

- Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.



E250A-10 Accelerometer

Description

- E250A-10 is a tiny stature, adhesive mounting piezoelectric accelerometer, its element is piezo-crystal in annular shear mode
- Long stability of sensitivity output
- Equipped with small gage, light weight hook-up wires
- Signal ground is isolated from the mounting surface by a ceramic mounting base

Characteristics

- Low impedance output
- Adhesive mounting
- Light weight (0.6 grams)
- Wide bandwidth, high S/N
- Flexible cable

Dynamic Characteristics	
Range	± 500g
Sensitivity(± 5%)	10mV/g
Non-linearity	≤ 1%
Amplitude Response(± 1dB)	2 ~ 15,000Hz
Resonant frequency	80kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
DC output bias voltage	+6.5 ~ 12.5Vdc
Output Resistance	≤ 100Ω
Residual noise (2Hz ~ 25kHz)	0.0015 g rms
Grounding	Signal ground is isolated from ground by a mounting screw
Power Requirement	
Excitation voltage	+18 ~ +24Vdc
Supply current	+2 ~ +20mA
Warm-up time(to within 10% of final bias)	<3Sec
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	1000 g pK
Shock limit	2000 g pK
Humidity	Epoxy sealed
Thermal transient Sensitivity	0.18g pk/°C
Base strain Sensitivity	0.0004g pK/ μ Strain
Electromagnetic sensitivity	0.0001g rms/gauss
Physical characteristics	
Weight	0.6grams
Case material	Anodized aluminum alloy case, beryllium copper lid, alumina mounting surface
Mounting	Flat surface provided for adhesive mounting

- Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.

E251A-10 Accelerometer

Description

- E2251A-10 is an extremely small, adhesive mounting piezoelectric accelerometer, its element is piezo-crystal in annular shear mode
- Long stability of sensitivity output
- High output sensitivity and wide bandwidth
- Permits 360°C able orientation
- Signal ground is isolated from ground by a mounting screw

Characteristics

- Hermetically sealed
- New low profile
- 360°C able orientation
- Machine tool measurement, shaker tables, flight test/ Aerospace
- Special coating on mounting surface



Dynamic Characteristics	
Range	±500g
Sensitivity(± 5%)	10mV/g
Non-linearity	≤ 1%
Amplitude Response(± 5%)	2 ~ 10,000Hz
Resonant frequency	45kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
Excitation voltage	+23 ~ 30Vdc
Output Resistance	≤ 100Ω
Output Voltage	±5V
Resolution	0.001equiv.g rms
Overload recovery	≤ 10 μs
Grounding	Signal ground is isolated from ground by a mounting screw
DC Output Bias Voltage	+12.3 ~ +13.5Vdc
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	500 g pK
Shock limit	5000 g pK
Humidity	Hermetically sealed
Thermal transient Sensitivity	0.036g pk/°C
Base strain Sensitivity	0.04g pK/ μ Strain
Physical characteristics	
Weight	11grams
Case material	Stainless steel

- Through the assessment of environmental test; Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.



E251A-100 Accelerometer

Description

- E2251A-100 is an extremely small, adhesive mounting piezoelectric accelerometer, its element is piezo-crystal in annular shear mode
- Long stability of sensitivity output
- High output sensitivity and wide bandwidth
- Permits 360°C able orientation
- Signal ground is isolated from ground by a mounting screw

Characteristics

- Hermetically sealed
- New low profile
- 360°C able orientation
- Machine tool measurement, shaker tables, flight test/ Aerospace
- Special coating on mounting surface



Dynamic Characteristics	
Range	± 50g
Sensitivity(± 5%)	100mV/g
Non-linearity	≤ 1%
Amplitude Response(± 10%)	2 ~ 10,000Hz
Resonant frequency	45kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
DC output bias voltage	+23 ~ 30Vdc
Output Resistance	≤ 100Ω
Output Voltage	± 5V
Resolution	0.00025equiv.g rms
Overload recovery	≤ 10 μs
Grounding	Signal ground is isolated from ground by a mounting screw
DC Output Bias Voltage	+12.3 ~ +13.5Vdc
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	500 g pK
Shock limit	5000 g pK
Humidity	Hermetically sealed
Thermal transient Sensitivity	0.036g pk/°C
Base strain Sensitivity	0.04g pK/ μ Strain
Physical characteristics	
Weight	11grams
Case material	Stainless steel

- Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.



E256-10 Accelerometer

Description

- E256-10 is a small hermetically sealed piezoelectric accelerometer, its sensitive element is piezo-crystal in annular shear mode
- Long stability of sensitivity output
- Signal ground is isolated from the mounting surface of the unit

Characteristics

- Milli-g's resolution
- Adhesive mounting
- Light weight (5 grams)
- Hermetically sealed
- Drop testing, vibration measurement on small structure, modal studies



Dynamic Characteristics	
Range	± 500g
Sensitivity ($\pm 10\%$)	10mV/g
Non-linearity	$\leq 1\%$
Amplitude Response($\pm 1\text{dB}$)	1 ~ 10,000Hz
Resonant frequency	25kHz
Transverse Sensitivity	$\leq 5\%$
Electrical Characteristics	
DC output bias voltage	+8.5 ~ +11.5Vdc
Output Resistance	$\leq 200\Omega$
Output Voltage	± 5V
Overload recovery	$\leq 10 \mu\text{s sec}$
Grounding	Signal ground connected to inner case but isolated from outer housing
Power Requirement	
Excitation voltage	+18 ~ +24Vdc
Supply current	+2 ~ +10mA
Warm-up time	<5 Sec
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	1000 g pK
Shock limit	2000 g pK
Humidity	Hermetically sealed
Thermal transient Sensitivity	0.18g pk/°C
Base strain Sensitivity	0.0008g pK/μ Strain
Electromagnetic sensitivity	0.0001g rms/gauss
Physical characteristics	
Weight	5grams
Case material	Stainless steel
Mounting	Flat finish provided for adhesive mounting

- Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.



E256-100 Accelerometer

Description

- E256-100 is a small hermetically sealed piezoelectric accelerometer, its sensitive element is piezo-crystal in annular shear mode
- Long stability of sensitivity output
- Signal ground is isolated from the mounting surface of the unit

Characteristics

- Milli-g's resolution
- Adhesive mounting
- Light weight (5 grams)
- Hermetically sealed
- Drop testing, vibration measurement on small structure, modal studies



Dynamic Characteristics	
Range	±50g
Sensitivity ($\pm 10\%$)	100mV/g
Non-linearity	$\leq 1\%$
Amplitude Response($\pm 1\text{dB}$)	1 ~ 10,000Hz
Resonant frequency	25kHz
Transverse Sensitivity	$\leq 5\%$
Electrical Characteristics	
DC output bias voltage	+8.5 ~ +11.5Vdc
Output Resistance	$\leq 200\Omega$
Output Voltage	±5V
Overload recovery	$\leq 10 \mu\text{s sec}$
Grounding	Signal ground connected to inner case but isolated from outer housing
Power Requirement	
Excitation voltage	+18 ~ +24Vdc
Supply current	+2 ~ +10mA
Warm-up time	<5 Sec
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	1000 g pK
Shock limit	2000 g pK
Humidity	Hermetically sealed
Thermal transient Sensitivity	0.18g pk/°C
Base strain Sensitivity	0.0008g pK/μ Strain
Electromagnetic sensitivity	0.0001g rms/gauss
Physical characteristics	
Weight	5grams
Case material	Stainless steel
Mounting	Flat finish provided for adhesive mounting

- Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.

E256A-10 Accelerometer

Applications

- E256A-10 is a small piezoelectric accelerometer, its sensitive element is piezo-crystal in annular shear mode
- Signal ground is isolated from the mounting surface of the unit

Characteristics

- Milli-g resolution
- Low cost, modal testing
- Light weight (5 grams)
- Hermetically sealed
- Vibration test on small structure



Dynamic Characteristics	
Range	± 500g
Sensitivity ($\pm 10\%$)	10mV/g
Non-linearity	$\leq 1\%$
Amplitude Response($\pm 10\%$)	1 ~ 10,000Hz
Resonant frequency	25kHz
Transverse Sensitivity	$\leq 5\%$
Electrical Characteristics	
DC output bias voltage	+12.3 ~ +13.5Vdc
Output Resistance	$\leq 200\Omega$
Output Voltage	± 5V
Resolution	0.001 g rms
Overload recovery	$\leq 45\text{m/sec}$
Grounding	Signal ground connected to inner case but isolated from outer housing
Power Requirement	
Excitation voltage	+23 ~ +30Vdc
Supply current	+2 ~ +20mA
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Sinusoidal vibration limit	1000 g pK
Shock limit	2000 g pK
Humidity	Hermetically sealed
Thermal transient Sensitivity	0.9g pk/°C
Base strain Sensitivity	0.0008g pK/ μ Strain
Electromagnetic sensitivity	0.0001g rms/gauss
Physical characteristics	
Weight	5grams
Case material	stainless steel
Mounting Torque	1.4Nm

- Through the assessment of environmental test; Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.



E256A-100 Accelerometer

Applications

- E256A-100 is a small piezoelectric accelerometer, its sensitive element is piezo-crystal in annular shear mode
- Signal ground is isolated from the mounting surface of the unit

Characteristics

- Milli-g's resolution
- Low cost, modal testing
- Light weight (5 grams)
- Hermetically sealed
- Vibration test on small structure



Dynamic Characteristics	
Range	±50g
Sensitivity ($\pm 10\%$)	100mV/g
Non-linearity	$\leq 1\%$
Amplitude Response($\pm 10\%$)	1 ~ 10,000Hz
Resonant frequency	25kHz
Transverse Sensitivity	$\leq 5\%$
Electrical Characteristics	
DC output bias voltage	+12.3 ~ +13.5Vdc
Output Resistance	$\leq 200\Omega$
Output Voltage	±5V
Resolution	0.0003 g rms
Overload recovery	$\leq 45\text{m/sec}$
Grounding	Signal ground connected to inner case but isolated from outer housing
Power Requirement	
Excitation voltage	+23 ~ +30Vdc
Supply current	+2 ~ +20mA
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Sinusoidal vibration limit	1000 g pK
Shock limit	2000 g pK
Humidity	Hermetically sealed
Thermal transient Sensitivity	0.9g pk/°C
Base strain Sensitivity	0.0008g pK/μ Strain
Electromagnetic sensitivity	0.0001g rms/gauss
Physical characteristics	
Weight	5grams
Case material	stainless steel
Mounting Torque	1.4Nm

- Through the assessment of environmental test; Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.

E280-10 Accelerometer(BNC Output)

Applications

- Health monitoring:

Rotating machinery, the bearings, power equipment, etc., are widely used in wind power, steel mills, power stations, oil pipelines, high-speed train, automatic production lines and other fields

- Safety monitoring:

Machinery and equipment, vehicles, test bench, engine, transmission system

Characteristics

- High reliability and maintenance-free
- Corrosion resistant encapsulation
- High resolution
- Weight of 25 g
- BNC connector
- 10 mv/g



Dynamic Characteristics	
range	500g
Sensitivity($\pm 10\%$, 25°C)	10mV/g
Non-linearity	$\leq 1\%$
Frequency response:	
$\pm 10\%$	2 ~ 10,000Hz
$\pm 3\text{dB}$	1 ~ 12,000Hz
Resonant frequency	30kHz
Transverse Sensitivity	$\leq 5\%$
Temperature response	$-50^{\circ}\text{C} -10\%$ $+120^{\circ}\text{C} +7\%$
Electrical Characteristics	
Excitation voltage	18 ~ 30Vdc
Output Resistance	100 Ω
Electrical noise	
Bandwidth 2.5Hz ~ 25kHz	1260 μg
Spectral 10Hz	11 $\mu\text{g}/\sqrt{\text{Hz}}$
100Hz	6 $\mu\text{g}/\sqrt{\text{Hz}}$
1000Hz	6 $\mu\text{g}/\sqrt{\text{Hz}}$
Output Voltage	12Vdc
Grounding	Case isolated, internally shielded
Environmental characteristics	
Working temperature	$-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
Vibration limit	500 g
Shock limit	5000 g
Sealing	Hermetically sealed
Base strain Sensitivity	0.002g/ μ strain
Physical characteristics	
Weight	25 grams
Case material	316L Stainless steel
Mounting	Mounting screw with safety wire hole

- Cable interface Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.



E280-100 Accelerometer(BNC Output)

Applications

- Health monitoring:

Rotating machinery, the bearings, power equipment, etc., are widely used in wind power, steel mills, power stations, oil pipelines, high-speed train, automatic production lines and other fields

- Safety monitoring:

Machinery and equipment, vehicles, test bench, engine, transmission system

Characteristics

- High reliability and maintenance-free
- Corrosion resistant encapsulation
- High resolution
- Weight of 25 g
- BNC connector
- 100 mv/g



Dynamic Characteristics	
range	50g
Sensitivity($\pm 10\%$, 25°C)	100mV/g
Non-linearity	$\leq 1\%$
Frequency response:	
$\pm 10\%$	2 ~ 10,000Hz
$\pm 3\text{dB}$	1 ~ 12,000Hz
Resonant frequency	30kHz
Transverse Sensitivity	$\leq 5\%$
Temperature response	$-50^{\circ}\text{C} -10\%$ $+120^{\circ}\text{C} +7\%$
Electrical Characteristics	
Excitation voltage	18 ~ 30Vdc
Output Resistance	100 Ω
Electrical noise	
Bandwidth 2.5Hz ~ 25kHz	1260 μg
Spectral 10Hz	11 $\mu\text{g}/\sqrt{\text{Hz}}$
100Hz	6 $\mu\text{g}/\sqrt{\text{Hz}}$
1000Hz	6 $\mu\text{g}/\sqrt{\text{Hz}}$
Output Voltage	12Vdc
Grounding	Case isolated, internally shielded
Environmental characteristics	
Working temperature	$-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
Vibration limit	500 g
Shock limit	5000 g
Sealing	Hermetically sealed
Base strain Sensitivity	0.002g/ μ strain
Physical characteristics	
Weight	85grams
Case material	316L Stainless steel
Mounting	Mounting screw with safety wire hole

- Cable interface Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.

E285 Accelerometer

Applications

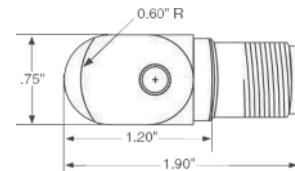
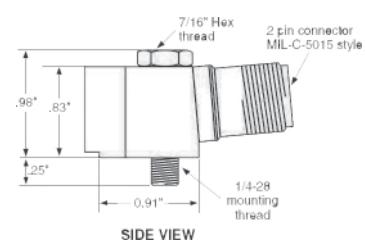
- Healthy monitoring: Rotor, Key bearing, Power plant etc. Widely used in wind power, Steel mills, Power plant, oil pipeline, high-speed train and automated production lines
- Safety monitoring: Machinery, Vehicle, Test bench, Engine and Transmission

Characteristics

- Voltage Output
- Hermetic design
- Corrosion resistant
- Signal return isolated from case
- ESD protection
- RFI protection



Dynamic Characteristics	
range	80g
Sensitivity($\pm 10\%$, 25°C)	100mV/g
Non-linearity	$\leq 1\%$
Frequency response:	
$\pm 10\%$	2 ~ 8,000Hz
$\pm 3\text{dB}$	10 ~ 12,000Hz
Resonant frequency	30kHz
Transverse Sensitivity	$\leq 5\%$
Temperature response	$-50^{\circ}\text{C} -10\%$ $+120^{\circ}\text{C} +7\%$
Electrical Characteristics	
Excitation voltage	18 ~ 30Vdc
Output Resistance	100G Ω
Electrical noise	
Bandwidth 2.5Hz ~ 25kHz	1260 μg
Spectral 10Hz	11 $\mu\text{g}/\sqrt{\text{Hz}}$
100Hz	6 $\mu\text{g}/\sqrt{\text{Hz}}$
1000Hz	6 $\mu\text{g}/\sqrt{\text{Hz}}$
Output Voltage	12Vdc
Grounding	Case isolated, internally shielded
Environmental characteristics	
Working temperature	$-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
Vibration limit	500 g
Shock limit	5000 g
Sealing	Hermetically sealed
Base strain Sensitivity	0.002g/ μ strain
Physical characteristics	
Weight	85grams
Case material	316L Stainless steel
Mounting	Mounting screw with safety wire hole



- Cable interface Through the assessment of environmental test; Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.



E285L Accelerometer

Applications

- Healthy monitoring: Rotor, Key bearing, Power plant etc. Widely used in wind power, Steel mills, Power plant, oil pipeline, high-speed train and automated production lines
- Safety monitoring: Machinery, Vehicle, Test bench, Engine and Transmission

Characteristics

- Voltage Output
- Hermetic design
- Corrosion resistant
- Signal return isolated from case
- ESD protection
- RFI protection



Dynamic Characteristics

range	10g
Sensitivity($\pm 10\%$, 25°C)	500mV/g
Non-linearity	$\leq 1\%$
Frequency response:	
$\pm 10\%$	2 ~ 8,000Hz
$\pm 3\text{dB}$	10 ~ 12,000Hz
Resonant frequency	30kHz
Transverse Sensitivity	$\leq 5\%$
Temperature response	$-50^{\circ}\text{C} -10\%$ $+120^{\circ}\text{C} +7\%$

Electrical Characteristics

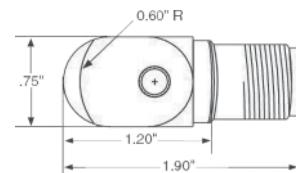
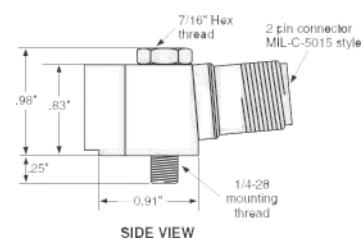
Excitation voltage	18 ~ 30Vdc
Output Resistance	100G Ω
Electrical noise	
Bandwidth 2.5Hz ~ 25kHz	1260 μ g
Spectral 10Hz	11 μ g/ $\sqrt{\text{Hz}}$
100Hz	6 μ g/ $\sqrt{\text{Hz}}$
1000Hz	6 μ g/ $\sqrt{\text{Hz}}$
Output Voltage	12Vdc
Grounding	Case isolated, internally shielded

Environmental characteristics

Working temperature	$-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
Vibration limit	500 g
Shock limit	5000 g
Sealing	Hermetically sealed
Base strain Sensitivity	0.002g/ μ strain

Physical characteristics

Weight	85grams
Case material	316L Stainless steel
Mounting	Mounting screw with safety wire hole



- Cable interface Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.

E286 Accelerometer

Applications

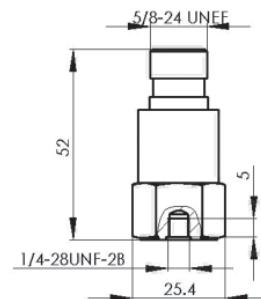
- Healthy monitoring: Rotor, Key bearing, Power plant etc. Widely used in wind power, Steel mills, Power plant, oil pipeline, high-speed train and automated production lines
- Safety monitoring: Machinery, Vehicle, Test bench, Engine and Transmission

Characteristics

- Voltage Output
- Hermetic design
- Corrosion resistant
- Signal return isolated from case
- ESD protection



Dynamic Characteristics	
range	80g
Sensitivity($\pm 5\%$, 25°C)	100mV/g
Non-linearity	$\leq 1\%$
Frequency response:	
$\pm 5\%$	3 ~ 5, 000Hz
$\pm 10\%$	1 ~ 9,000Hz
$\pm 3\text{dB}$	0.5 ~ 14,000Hz
Resonant frequency	30kHz
Transverse Sensitivity	$\leq 5\%$
Temperature response	-50°C -5% +120°C +5%
Electrical Characteristics	
Excitation voltage	18 ~ 30Vdc
Output Resistance	100Ω
Electrical noise	
Bandwidth 2.5Hz ~ 25kHz	700 μ g
Spectral 10Hz	10 μ g/ √ Hz
100Hz	5 μ g/ √ Hz
1000Hz	5 μ g/ √ Hz
Output Voltage	12Vdc
Grounding	Case isolated, internally shielded
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	500g
Electromagnetic sensitivity	70 μ g
Shock limit	5000g
Sealing	Hermetically sealed
Base strain Sensitivity	0.0002g/ μ strain
Physical characteristics	
Weight	90grams
Case material	316L Stainless steel
Sensitive element design	PZTCeramics /Shear



- Cable interface Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.



E286L Accelerometer

Applications

- Healthy monitoring: Rotor, Key bearing, Power plant etc. Widely used in wind power, Steel mills, Power plant, oil pipeline, high-speed train and automated production lines
- Safety monitoring: Machinery, Vehicle, Test bench, Engine and Transmission

Characteristics

- Voltage Output
- Hermetic design
- Corrosion resistant
- Signal return isolated from case
- ESD protection



Dynamic Characteristics

range	10g
Sensitivity($\pm 5\%$, 25°C)	500mV/g
Non-linearity	$\leq 1\%$
Frequency response:	
$\pm 5\%$	0.8 ~ 5, 000Hz
$\pm 10\%$	0.5 ~ 10,000Hz
$\pm 3\text{dB}$	0.5 ~ 14,000Hz
Resonant frequency	30kHz
Transverse Sensitivity	$\leq 5\%$
Temperature response	-50°C -5% +120°C +5%

Electrical Characteristics

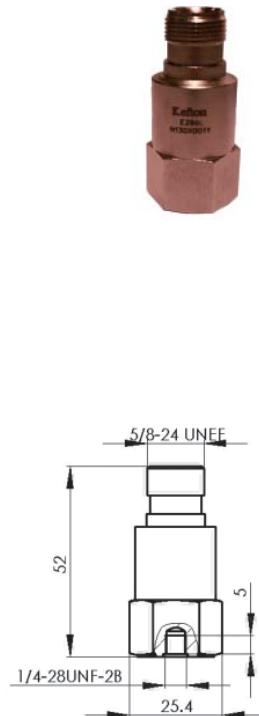
Excitation voltage	18 ~ 30Vdc
Output Resistance	100Ω
Electrical noise	
Bandwidth 2.5Hz ~ 25kHz	700 μ g
Spectral 10Hz	10 μ g/ √ Hz
100Hz	5 μ g/ √ Hz
1000Hz	5 μ g/ √ Hz
Output Voltage	12Vdc
Grounding	Case isolated, internally shielded

Environmental characteristics

Working temperature	-55°C ~ +125°C
Vibration limit	500g
Electromagnetic sensitivity	70 μ g
Shock limit	5000g
Sealing	Hermetically sealed
Base strain Sensitivity	0.0002g/ μ strain

Physical characteristics

Weight	90grams
Case material	316L Stainless steel
Sensitive element design	PZTCeramics /Shear



- Cable interface Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.

E293 Accelerometer

Applications

- Healthy monitoring: Rotor, Key bearing, Power plant etc. Widely used in wind power, Steel mills, Power plant, oil pipeline, high-speed train and automated production lines
- Safety monitoring: Machinery, Vehicle, Test bench, Engine and Transmission

Characteristics

- High sensitivity
- low noise
- low pass filter
- air tight encapsulation
- ESD protection
- connection error protection
- reverse connection protection



Dynamic Characteristics	
range	10g
Sensitivity($\pm 5\%$, 25°C)	500mV/g
Non-linearity	$\leq 1\%$
Frequency response:	
$\pm 5\%$	0.6 ~ 700Hz
$\pm 10\%$	0.4 ~ 1000Hz
$\pm 3\text{dB}$	0.2 ~ 2300Hz
Resonant frequency	30kHz
Transverse Sensitivity	$\leq 5\%$
Temperature response	-50°C -10% +120°C +10%
Electrical Characteristics	
Constant current excitation	2 ~ 20mA
Voltage	18 ~ 30Vdc
Output Resistance	100Ω
Electrical noise	
Bandwidth 2.5Hz ~ 25kHz	700 μ g
Spectral 10Hz	10 μ g/ √ Hz
100Hz	5 μ g/ √ Hz
1000Hz	5 μ g/ √ Hz
Output Voltage	12Vdc
Grounding	Case isolated, internally shielded
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	500g
Electromagnetic sensitivity	70 μ g
Shock limit	5000g
Sealing	Hermetically sealed
Base strain Sensitivity	0.0002g/ μ strain
Physical characteristics	
Weight	90grams
Case material	316L Stainless steel
Sensitive element design	PZTCeramics /Shear

- Cable interface Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.



E308-10 Accelerometer

Applications

- Tiny objects structure vibration test
- structural modal testing
- harshness (NVH) testing
- low g value impact test

Characteristics

- Uniaxial sensors
- Single needle interface, stable and reliable
- weight, 6 g
- ground insulation
- air tight encapsulation



Dynamic Characteristics	
Range	±500g (pk)
Sensitivity	10mV/g
Non-linearity	≤ 1%
Frequency response (±5%)	0.5 ~ 3,000Hz
Response frequency	≥ 20kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
Constant current excitation	2 ~ 20mA
Voltage	18 ~ 30Vdc
Supply current	8 ~ 12Vdc
Shell of insulation, insulation resistance	≥ 50MΩ
Grounding	Ground insulation
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	1000 g pK
Shock limit	2000 g pK
Physical characteristics	
Weight	≤ 6g
dimension	10X10X10mm
Case material	Stainless steel
Mounting	10-32 mounting screw

- Cable interface Through the assessment of environmental test; Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.

E308-100 Accelerometer

Applications

- Tiny objects structure vibration test
- structural modal testing
- harshness (NVH) testing
- low g value impact test

Characteristics

- Uniaxial sensors
- Single needle interface, stable and reliable
- weight, 6 g
- ground insulation
- air tight encapsulation



Dynamic Characteristics	
Range	±50g (pk)
Sensitivity	100mV/g
Non-linearity	≤ 1%
Frequency response (± 5%)	0.5 ~ 3,000Hz
Response frequency	≥ 20kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
Constant current excitation	2 ~ 20mA
Voltage	18 ~ 30Vdc
Supply current	8 ~ 12Vdc
Shell of insulation, insulation resistance	≥ 50MΩ
Grounding	Sground insulation
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	1000 g pK
Shock limit	2000 g pK
Physical characteristics	
Weight	≤ 6g
dimension	10X10X10mm
Case material	Stainless steel
Mounting	10-32 mounting screw

- Cable interface Through the assessment of environmental test; Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.



E322-100 Three axis Accelerometer

Applications

- Three axis low impedance and high sensitivity small acceleration sensor
- When small structure vibration test
- engine, motor structure modal test
- profile to build the structure of the vibration test

Characteristics

- X, Y, Z three-axis accelerometer
- broadband response
- 4 needle interface, stable and reliable
- quality of the light
- air tight encapsulation



Dynamic Characteristics	
Range	± 50g (pk)
Sensitivity	100mV/g
Non-linearity	≤ 1%
Frequency response (± 5%)	1 ~ 3,000Hz
Response frequency	≥ 20kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
Constant current excitation	2 ~ 10mA
Voltage	20 ~ 30Vdc
Supply current	7 ~ 14Vdc
Shell of insulation, insulation resistance	≥ 20MΩ
Grounding	Ground insulation
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	1000 g pK
Shock limit	2000 g pK
Physical characteristics	
Weight	≤ 20g
Case material	Stainless steel
Mounting	M5 mounting screw

- Cable interface Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.

E322A-100 Two shaft Accelerometer

Applications

- Biaxial low impedance and high sensitivity small acceleration sensor
- When small structure vibration test
- engine, motor structure modal test
- profile to build the structure of the vibration test

Characteristics

- X, Y two-axis accelerometer
- broadband response
- 4 needle interface, stable and reliable
- quality of the light
- air tight encapsulation



Dynamic Characteristics	
Range	± 50g (pk)
Sensitivity	100mV/g
Non-linearity	≤ 1%
Frequency response (± 5%)	1 ~ 3,000Hz
Response frequency	≥ 20kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
Constant current excitation	2 ~ 10mA
Voltage	20 ~ 30Vdc
Supply current	7 ~ 14Vdc
Shell of insulation, insulation resistance	≥ 20MΩ
Grounding	Sground insulation
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	1000 g pK
Shock limit	2000 g pK
Physical characteristics	
Weight	≤ 20g
Case material	Stainless steel
Mounting	M4 mounting screw

- Cable interface Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.



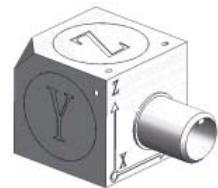
E356-100 Three axis Accelerometer

Applications

- Subminiature triaxial low impedance acceleration sensor
- Tiny objects structure vibration test
- structural modal testing
- harshness (NVH) testing
- low g value impact test

Characteristics

- X, Y, Z three axial sensor
- broadband response type high sensitivity IEPE accelerometer
- 4 needle interface, stable and reliable
- quality light, 12 g
- air tight encapsulation



Dynamic Characteristics	
Range	±50g (pk)
Sensitivity	100mV/g
Non-linearity	≤ 1%
Frequency response (±5%)	1 ~ 5,000Hz
Response frequency	≥ 20kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
Constant current excitation	2 ~ 20mA
Voltage	20 ~ 30Vdc
Supply current	8 ~ 12Vdc
Shell of insulation, insulation resistance	≥ 50MΩ
Grounding	Ground insulation
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	1000 g pK
Shock limit	2000 g pK
Physical characteristics	
Weight	≤ 12g
Case material	Stainless steel
Mounting	10-32 mounting screw

- Cable interface Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.

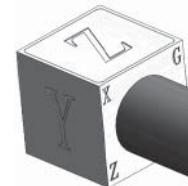
E356A-100 Three axis Accelerometer

Applications

- Subminiature triaxial low impedance acceleration sensor
- Tiny objects structure vibration test
- structural modal testing
- harshness (NVH) testing
- low g value impact test

Characteristics

- X, Y, Z three axial sensor
- broadband response type high sensitivity IEPE accelerometer
- The integration of cable
- corrosion design, airtight packaging
- 4 needle interface, stable and reliable
- quality light, 8 g



Dynamic Characteristics	
Range	±50g (pk)
Sensitivity	100mV/g
Non-linearity	≤ 1%
Frequency response (±5%)	1 ~ 5,000Hz
Response frequency	≥ 20kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
Constant current excitation	2 ~ 20mA
Voltage	18 ~ 30Vdc
Supply current	8 ~ 12Vdc
Shell of insulation, insulation resistance	≥ 50MΩ
Grounding	Sground insulation
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	1000 g pK
Shock limit	2000 g pK
Physical characteristics	
Weight	≤ 20g
Case material	Stainless steel
Mounting	10-32 mounting screw

- Cable interface Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.



E358-10 Triaxial Accelerometer

Description

- E358-10 is a small triaxial piezoelectric accelerometer, and its element is a piezo-crystal in annular shear mode
- Long stability of sensitivity output

Characteristics

- Milli-g's resolution
- Triaxial
- Light weight (15 grams)
- Testing of Robotics, Machine tools, aerospace structure
- Hermetically sealed



Dynamic Characteristics	
Range	±500g
Sensitivity(±10%)	10mV/g
Non-linearity	≤ 1%
Amplitude Response	
±5%(x,y)	1 ~ 7,000Hz
±5%(z)	1 ~ 8,000Hz
Resonant frequency	20kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
DC output bias voltage	+11.5 ~ 12.7Vdc
Output Resistance	≤ 200Ω
Output Voltage	±5V
Resolution	0.001 g rms
Grounding	Each sensor is isolated from the other signal grounded and triaxial housing
Power Requirement	
Supply Voltage	+18 ~ +24Vdc
Supply Current	+2 ~ +10mA
Warm-up time	<5 S
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	1000 g pk
Shock limit	2000 g pk
Humidity	Hermetically sealed
Thermal transient Sensitivity	0.18g pk/°C
Base strain Sensitivity	
x and y Axis	0.0004 g pk/μ strain
z Axis	0.004 g pk/μ strain
Electromagnetic Sensitivity	0.0001g rms/gauss
Physical characteristics	
Weight	15grams
Case material	Stainless steel
Mounting Torque	1Nm

- Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.

E358-100 Triaxial Accelerometer

Description

- E358-100 is a small triaxial piezoelectric accelerometer, and its element is a piezo-crystal in annular shear mode
- Long stability of sensitivity output

Characteristics

- Milli-g's resolution
- Triaxial
- Light weight (15 grams)
- Testing of Robotics, Machine tools, aerospace structure
- Hermetically sealed



Dynamic Characteristics	
Range	± 50g
Sensitivity(± 10%)	100mV/g
Non-linearity	≤ 1%
Amplitude Response	
± 5%(x,y)	1 ~ 7,000Hz
± 5%(z)	1 ~ 8,000Hz
Resonant frequency	20kHz
Transverse Sensitivity	≤ 5%
Electrical Characteristics	
DC output bias voltage	+11.5 ~ 12.7Vdc
Output Resistance	≤ 200Ω
Output Voltage	± 5V
Resolution	0.0003 g rms
Grounding	Each sensor is isolated from the other signal grounded and triaxial housing
Power Requirement	
Supply Voltage	+18 ~ +24Vdc
Supply Current	+2 ~ +10mA
Warm-up time	<5 S
Environmental characteristics	
Working temperature	-55°C ~ +125°C
Vibration limit	1000 g pK
Shock limit	2000 g pK
Humidity	Hermetically sealed
Thermal transient Sensitivity	0.18g pk/°C
Base strain Sensitivity	
x and y Axis	0.0004 g pk/μ strain
z Axis	0.004 g pk/μ strain
Electromagnetic Sensitivity	0.0001g rms/gauss
Physical characteristics	
Weight	15grams
Case material	Stainless steel
Mounting Torque	1Nm

- Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.

