



Piezoelectric Velocity Transducer (Industrial Monitor)

Model: CV-YD-021

Manufacturer: Sinocera Piezotronics Inc.

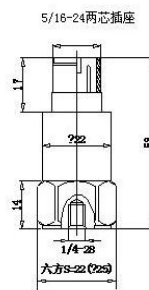
Distributor: LABSEN



Features:

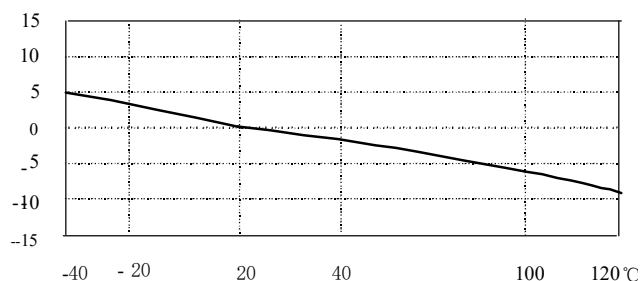
- Use piezo material direct piezoelectric effect
- Built-in precise integral circuit
- Used in absolute vibration velocity measurement in machine fault
- Mount in vertical, horizontal or any direction

Specifications:

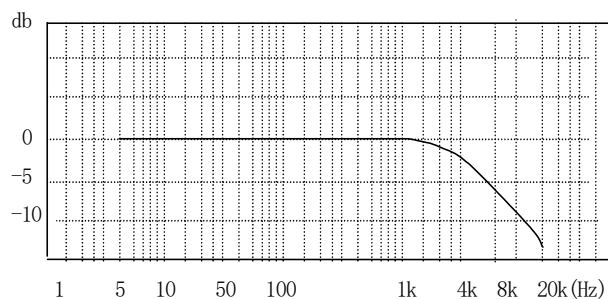


Dimensions

Sensitivity	$4 \pm 5\% \text{mV/mms}^{-1}$
Transverse Sensitivity	$< 5\%$
Frequency Response	$4 \sim 4,000\text{Hz}$
Velocity Range (Peak Value)	$\pm 1000 \text{ mms}^{-1}$
Amplitude Linearity	$\leq 2\%$
Supply Voltage	18VDC ~ 24V DC (Constant Current Source)
Bias Voltage	$12 \pm 2 \text{ VDC}$
Operation Current	2~10mA
Output Impedance	$< 100 \ \Omega$
Noise	$\sim 50 \ \mu \text{V}$
Mounting Insulation to GND	$\geq 10^8 \ \Omega$
Shock Limit (Peak Value)	3000g
Temperature Response	$< 5\%$
Operation Temperature	$-20 \text{ }^\circ\text{C} \sim 80^\circ\text{C}$
Case Material	304 Stainless Steel
Weight	80g
Mounting	1/4-28
Piezo Material	PZT-5
Output Method	Top 5/8-24 2-Pin Socket
Accessories	
Certificate	Calibration Parameters, Frequency Response
1/4-28 Stud	One
3106A(5015) Plug, 2-Pin (RVVP) Cable	One (3m), one end empty



Temperature Response



Frequency Response

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