

Piezoelectric acceleration sensor (small size, high sensitivity, low weight)



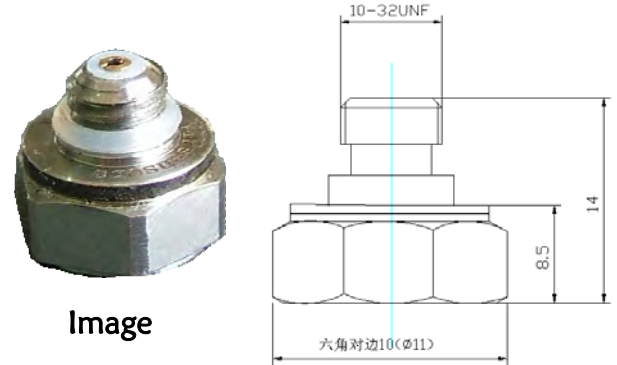
Model: TMC-YD-1160

Features:

- High impact measurement (IEPE)
- Small size, and wide frequency response

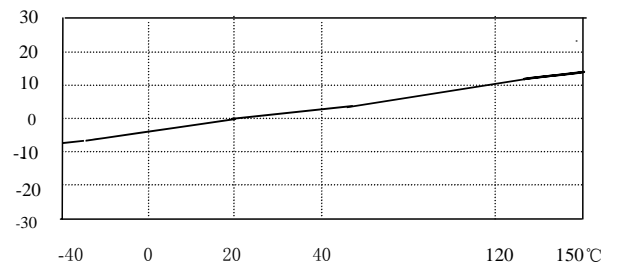
Main technique specifications:

Axis sensitivity (20±5℃)	~10mV/ms ⁻²
Measurement range (peak)	500 ms ⁻²
Max horizontal sensitivity	≤5 %
Frequency response (refer to the frequency response curve) 5%	0.5 ~ 5000 Hz
Mounting resonance frequency	21,000 Hz
Temperature response	Refer to the temperature curve
Polar (acceleration direction from the bottom to the sensor)	Positive
Power supply voltage (current source)	+18~+28 VDC
Operating current	+2~+10 mA
Maximum output signal (peak)	≤5VP
Noise (1~20KHz)	< 0.5 mg
Output impedance	<100 Ω
DC bias voltage	10~13 VDC
Working temperature range	-40~+120 °C
Shock limitation	2000g
Transient temperature	10mg/°C(0.3Hz)
Magnetic sensitivity	1g/T
Strain sensitivity of the base	2mg/με
Weight	3.5g
Material of the shell	Stainless steel
Mounting	Stickiness
Piezoelectric material	PZT-5
Design of the structure	Shear
Output	L5
Accessories	
Quality certificate of the sensor	Demarcate parameter. frequency response curve

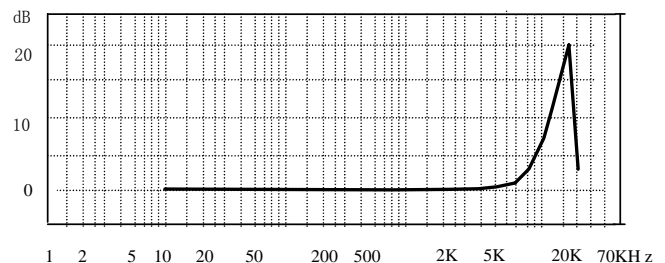


Image

Structure image



Typical temperature curve



Typical frequency response curve