



IEPE Signal Conditioner (Single-channel)

Model: YE3832

Features:

- Used as conditioner for axial capacitance accelerometer
- Small size, light weight
- Low-pass filter can be adjustable
- Condition indication lamp can indicate different operation status
- Internal/external power supply
- Suitable for field test and test without external power



Specifications:

Input Characteristics	
Input Channel	1
Input Voltage	$\leq \pm 5V_P$
Frequency Characteristics	
Upper frequency	0.1k, 1k, 10kHz Selectable
Lower frequency	DC
Output Characteristics	
Gain	$\times 1, \times 2, \times 3, \times 4, \times 5, \times 6, \times 7$
Output amplitude	$2.5V \pm 2.2V$
Accuracy	$\leq \pm 1\%$
Noise	$\leq 0.1mV_{rms}$
Bias Voltage	Middle Point Bias Voltage adjustable
Environmental Characteristics	
Temperature	Operate temperature: $0^{\circ}C \sim 40^{\circ}C$ Storage temperature: $-55^{\circ}C \sim 85^{\circ}C$
Moisture	Maximum 80%R.H.
Power supply	
Power Source	Internal: 9V Battery; External: $+5 - +20VDC$
Automatic Shutdown	Selectable continuous operation/ Automatic shutdown in 30 minutes
Physical Characteristics	
Dimensions	60mm(W) $\times$ 25mm(H) $\times$ 100mm(D)
Weight	About 300g
Connection	Input: 4-Pin Socket, Output: BNC
Accessories	
Input/output cables	One each
Power supply cable	One