



SINOCERA



Global Sensor
Technology

Static and Quasi-dynamic Strain Amplifier (DC to 30Hz)

Model: YE3842

FEATURES

- Small size; light weight; Simple structure; High reliability.
- Built-in Second-order Butterworth Low-Pass Filter.
- Switch with gain of 4 steps; Manual zero (coarse /fine adjustment).
- Directly connect to strain gage



Technical Specifications:

Input Range	±20mV	
Input Impedance	>100MΩ	
Bridge Resistance	350Ω	
Output Range	±5VP/5mA	
Noise	≤2mVrms	
Stability	Zero	±5µεV/4h
	Sensitivity	±0.01%F.S/0C
Bridge Voltage	5VDC/30mA (MAX) balance to ground	
Gain	Steps	250;500; 1000;2000
	Accuracy	≤±0.5%
	Nonlinearity	≤±0.1% of full scale
Balance	Manual Balance:±5000µε	
Frequency Range	DC to 30Hz	
Low-pass Filter	30Hz (corner:- 3dB±1dB,-12dB/OCT)	
Temperature	Operating: -100C to 500C;Storage: -550C to 850C	
Humidity	85%R.H. max	
Supply Power	DC+12 to +16V	
Dimensions(mm)	20W×64H×66D	
Weight	About 1150g	
Input/Output Type	Terminal Strip	