



Quasi Static Strain Amplifier (Industrial)

Model: YE3842

Features:

- Small size; light weight; Simple structure; High reliability.
- Build in Second-order Butterworth Low-Pass Filter.
- Switch with gain of 4 steps; Manual zero (coarse /fine adjustment).
- Directly connect to strain gage transducer.
- Suitable for static and quasi-dynamic measure in the industrial fields.



Specifications:

Input Range	$\pm 20\text{mV}$	
Input Impedance	$>100\text{M}\Omega$	
Bridge	350Ω	
Output Range	$\pm 5\text{VP}/5\text{mA}$	
Noise	$\leq 2\text{mVrms}$	
Stability	Zero	$\pm 5\mu\text{V}/4\text{h}$
	Sensitivity	$\pm 0.01\%\text{F.S}/0\text{C}$
Bridge Voltage	$5\text{VDC}/30\text{mA}(\text{MAX})$ balance to ground	
Gain	Steps	250;500; 1000;2000
	Accuracy	$\leq \pm 0.5\%$
	Nonlinearity	$\leq \pm 0.1\%$ of full scale
Balance	Manual Balance: $\pm 5000\mu\text{e}$	
Frequency Range	DC to 30Hz	
Low-pass Filter	30Hz(corner:- 3dB $\pm 1\text{dB}$,-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 $\times$ 64H $\times$ 66D	
Weight	About 1150g	
Input/Output Type	Terminal Strip	