



Multichannel Dynamic Strain Amplifier (DC to 10kHz)

Model: YE3817C

Features:

- 4½-digit LEDs indication of the output voltage of a selectable channel. DC, AC, PK+,PK- mode selectable by the Switch;
- Multi-steps of LPF, Gain, Bridge Voltage;
- Long wire automatic compensation;
- 12-bit dual D / A auto-balance;
- Suitable for testing general strain.



Specifications:

Input Range	0 to $\pm 100000\mu\epsilon$ (2VDC bridge voltage) ; 0 to $\pm 100000\mu\epsilon$ (1VDC bridge voltage)	
Input Impedance	>100M Ω	
Bridge	60 to 1000 Ω with K=2.00	
Output Range	$\pm 10VP/5mA_{max}$.	
Noise	$\leq 3\mu V$ (Referred to input at maximum sensitivity)	
Stability	Zero	$\pm 1\mu V/^{\circ}C$; $\pm 0.1\%/F.S/2h$ (input to ground)
	Sensitivity	$\pm 0.01\%/F.S/^{\circ}C$; $\pm 0.1\%/F.S/2h$
Measurement Mode	DC,AC,., PK+,PK-	
Bridge Voltage	1,2,3,6,10,12VDC/30mA(MAX) balance to ground	
Gain	Steps	OFF;100;200;500;1000;2000
	Accuracy	$\leq \pm 0.3\%$
	Nonlinearity	$\leq \pm 0.05\%$ of full scale
Balance	Manual Balance: $\pm 100\mu\epsilon$; Auto Balance: $\pm 5000\mu\epsilon$ (1% bridge resistance imbalance)	
Frequency Range	DC to 10kHz	
Low-pass Filter	10、100、1k、10kHz(cut-off frequency:- 3dB $\pm 1dB$,-12dB/OCT)	
Temperature	Operating: $-10^{\circ}C$ to $40^{\circ}C$;Storage: $-55^{\circ}C$ to $85^{\circ}C$	
Humidity	95%R.H. max	
Supply Power	AC220V $\pm 10\%$,50Hz0.5A (AC110V60Hz selectable)	
Dimensions(mm)	307W $\times$ 132.5H $\times$ 360D	
Weight	About 6.5KG	
Input/Output Type	Input:7-Pin Socket ; Output: BNC	
Accessories	Input/output cable: one/CH	
	Power supply cable:1	
	YE29003A Bridge Box: one/CH	