



Multichannel Dynamic Strain Amplifier (DC to 100kHz)

Model: YE3818C

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 $\pm 50000\mu\epsilon$ (2VDC bridge voltage) ; 0 to $\pm 100000\mu\epsilon$ (1VDC bridge voltage)	
Input Impedance	>100M Ω	
Output Range	$\pm 5VP/5mA_{max}$.	
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, PK+, PK-	
Bridge Voltage	1, 2, 4, 6, 8, 10VDC/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)	
Low-pass Filter	10、100、1k、10kHz、WB(100kHz, cut-off frequency:- 3dB $\pm 1dB$, -12dB/OCT)	
Temperature	Operating: 0 $^{\circ}C$ to 40 $^{\circ}C$; Storage: -55 $^{\circ}C$ to 85 $^{\circ}C$	
Humidity	95%R.H. max	
Supply Power	AC220V $\pm 10\%$, 50Hz 0.5A	
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	