



Multi-channels Dynamic Strain Amplifier (DC to 10kHz)

Model: YE3817C

FEATURES

- 4½-digit LED's 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.

Case and Power**Main Specifications:**

Channels	4,6,8 selectable	
Input Range	0 to $\pm 100000\mu\epsilon$	
Input Impedance	$>100M\Omega$	
Bridge Resistance	60 to 1000Ω with $K=2.00$	
Output Range	$\pm 10VP/5mA_{max}$.	
Noise	$\leq 3\mu V$ (Referred to input at maximum sensitivity)	
Stability	Zero	$\pm 1\mu V/OC; \pm 0.1\%/F.S/2h$ (input to ground)
	Sensitivity	$\pm 0.01\%/F.S/OC; \pm 0.1\%/F.S/2h$
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 (Resistance: Within 1%)	Manual Balance : $\pm 100\mu\epsilon$; Auto Balance: $\pm 5000\mu\epsilon$	
Frequency Range	DC to 10kHz	
Low-pass Filter	10, 100, 1k, 10kHz (corner:- 3dB ± 1 dB,-12dB/OCT)	
Temperature	Operating: -10C to 50C; Storage: -55C to 85C	
Humidity	95%R.H. max	
Supply Power	AC220V $\pm 10\%$,50Hz0.5A (AC110V60Hz selectable)	
Dimensions (mm)	297W \times 132.5H \times 360D	
Weight	Approximately 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	