



SINOCERA



Global Sensor
Technology

Multi-channels Dynamic Strain Amplifier (DC to 100kHz) Model: YE3818C

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.



Technical Specifications:

Channels	4,6,8 selectable	
Input Range	0 to $\pm 50000\mu\epsilon$	
Input Impedance	$>100M\Omega$	
Bridge Resistance	60 to 10000Ω with $K=2.00$	
Output Range	$\pm 5VP/5mA$	
Noise	$\leq 3\mu V$ (Referred to input at maximum sensitivity)	
Stability	Zero	$\pm 1\mu V/0C$; $\pm 0.1\%/F.S/2h$ (input to ground)
	Sensitivity	$\pm 0.01\%/F.S/0C$; $\pm 0.1\%/F.S/2h$
Measurement Mode	DC,AC,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 (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,10k,WB(100kHz) (corner:- 3dB \pm 1dB,-12dB/OCT)	
Temperature	Operating: -100C to 500C; Storage: -550C to 850C	
Humidity	95%R.H. max	
Supply Power	AC220V $\pm 10\%$,50Hz0.5A (AC110V60Hz selectable)	
Dimensions(mm)	297W \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	