



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



Plug Card

Technical 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 | $\pm 1\mu V/0C$; $\pm 0.1\%/F.S/2h$ (input to ground) |
| | Sensitivity | $\pm 0.01\%F.S/0C$; $\pm 0.1\%/F.S/2h$ |
| Measurement Mode | DC, AC, PK+, PK - | |
| Bridge Voltage | 1,2,3,6,10,12VDC/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 \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 | |