

ANALOGUE STRAIN GAUGE AMPLIFIER / SIGNAL CONDITIONER

Model STU

- User selectable analog output $\pm 10V$, $\pm 5V$, $0-10V$, $0-5V$, $0-20mA$, $4-20\text{ mA}$
- 110 VAC, 220 VAC OR 18-24 VDC power
- Switch selectable filtering 1 Hz to 5 kHz
- Single channel powers up to 4 transducers
- Selectable full scale input range 0.06 to 30 mV/V
- Switch selectable offset $\pm 70\%$ FS
- Sealed ABS enclosure



POWER

AC	110 VAC 60 Hz or 220 VAC 50 Hz
DC	18-24 VDC

EXCITATION

Voltage	10 VDC $\pm 5\%$
Current	118 mA

PERFORMANCE

Output	$\pm 10V$, $\pm 5V$ Bipolar $0-5V$, $0-10V$ Unipolar $0-20\text{ mA}$, $4-20\text{ mA}$ Unipolar
Input Range	± 0.06 to $\pm 30\text{ mV/V}$ Switch selectable
Max Bandwidth	6 kHz
Filter	1 Hz to 5 kHz Switch selectable
Offset	$\pm 70\%$ FS Course and fine adjust
Nonlinearity	0.03% FS
Span Temp. Coefficient	0.004%/°F Max
Zero Temp. Coefficient	0.5 μV /°F Max

ENVIRONMENTAL

Operating Temp.	+32° F to +122° F
Dimensions	6.3 in X 3.1 in X 2.2 in
Enclosure	Sealed ABS case, Compression cable seals

DIMENSIONS TABLE

unit:mm

