

# ST-AM310

## Dynamic Strain Amplifier

### FEATURE

This product can be used as a dynamic strain amplifier alone or as a multi-channel using a sub rack case. The voltage output is indicated by an LED for each Util. It is a high-end model that can be used for strain gauge application sensor and Half and Full bridge strain measurement.

- Built-in automatic temperature compensation circuit
- Easy to adjust Zero and Span by volume
- Built-in adjustment function of Gain and LPF by rotary switch
- Bridge Supply Power selection switch external mounting
- Voltage output observation function by LED
- One touch auto zero function
- Built-in calibration function itself

### SPECIFICATION

Bridge voltage	Constant voltage DC 1V, 2V, 5V, 7.5V, 10V
Application bridge resistance	120Ω ~ 350Ω
Rated output	Voltage ±10V (load resistance more than 200Ω) OP: Current 4~20mA (load resistance less than 300Ω)
Zero adjustment range	10%, 10 rotations
Gain (Max 1000)	Switcho: 1, 10, 100, 400, 1000 Span: x1 ~ x10, FINE: x1 ~ x0.9
S/N rate	54dB
Display part	4 digit
Frequency response	DC ~20kHz (-3dB)
Low pass filter	10Hz, 100Hz, 1kHz, 10kHz, WB
Non-linearity	±0.01% F.S
Stability (Temp. Spec)	Sensitivity ±0.03%/°C
Usage temperature range	-10°C ~ 60°C
Humidity	Less than 80% RH
POWER	AC 220V 50/60Hz (AC 110V:Option)
Correction value	200με, 2000με 0.5mV/V=1000μStrain



### DIMENSION (mm)

