

Dynamic Strain Amplifier



>Model DN-AM150

As dynamic strain amplifier, it is designed and manufactured to be suitable for instrumentation control panel.

■Feature

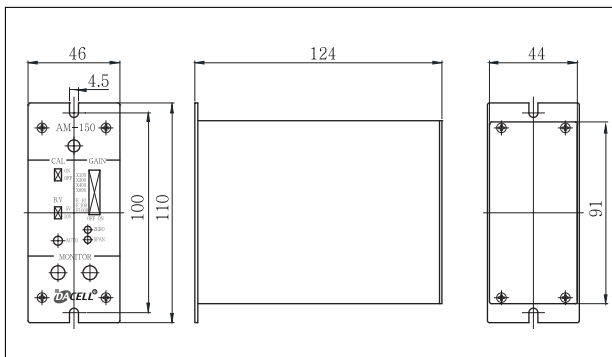
- Built-in single step filtering function
- Built-in automatic temperature compensating circuit
- Easy to adjust zero and span by volume
- One touch auto zero function

>SPECIFICATIONS

Specifications	Accuracy
Bridge voltage	Constant voltage DC 5V, 10V
Application bridge resistance	100Ω ~ 1kΩ
Rated output	Voltage ±10V (Load resistance more than 200Ω) Current 4 ~ 20mA (Load resistance less than 300Ω)
Zero adjustment ranger	10%, 10rotations
Sensitivity adjustment range	1500 Multiplier
S/N rate	51dB
Answering frequency	DC ~ 20kHz (-3dB)
Low Pass Filter	10Hz, 100Hz, 1kHz, Pass
Nonlinearity	±0.02% F.S
Usage temperature range	-10°C ~ 60°C
Humidity	Less than 80% RH (no dew condensation)
Supply power	AC 220V 50/60Hz (AC 110V available by internal operation)

>DIMENSIONS

unit:mm



>Model DN-AM210

As dynamic strain amplifier, it uses single or SUB Rack case, and can be used as multi-channel.

It is used for strain gauge applied sensors, and strain measurement of potentiometer and mV output sensor and half and full bridge as high-level model.

■Feature

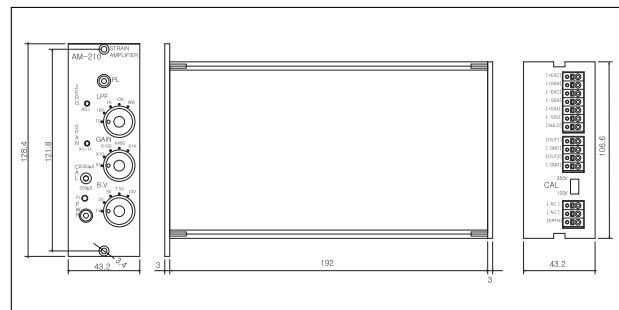
- Built-in automatic temperature compensating circuit
- Easy to adjust zero and span by volume
- Built-in single step adjustment function of Gain and LPF by rotary switch
- Bridge power supply built-out optional switch
- One touch auto zero function
- Built-in self calibration function

>SPECIFICATIONS

Specifications	Accuracy
Bridge voltage	Constant voltage DC 1V, 2V, 5V, 7.5V, 10V
Application bridge resistance	100Ω ~ 1kΩ
Rated output	Voltage ±10V (Load resistance more than 200Ω) Current 4 ~ 20mA (Load resistance less than 300Ω)
Zero adjustment ranger	10%, 10rotations
Gain (Max 1000)	Switch : 1, 10, 100, 400, 1000 times / Span : 1 ~ 11 times
S/N rate	54dB
Frequency response	DC ~ 20 kHz (-3dB)
Low Pass Filter	10Hz, 100Hz, 1kHz, 10kHz, WB
Nonlinearity	±0.01% F.S
Usage temperature range	0 ~ 60°C
Stability (temp. characteristic)	Sensitivity ±0.03%/°C
Humidity	Less than 80% RH (No dew condensation)
Supply power	AC 220V 50/60Hz (AC 110V available by internal operation)
Correction value	200μs, 2000μs (1000μs/Strain = 0.5mV/V)

>DIMENSIONS

unit:mm



★Specifications are subject to change without notice.