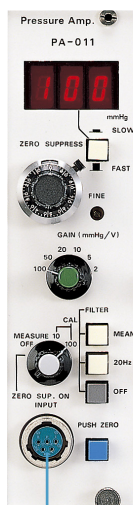


Amplifier for Pressure

PA-011

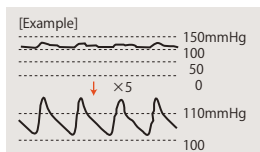
with Zero Suppression feature



Strain Gauge

- In addition to the functions PA-001 has, this PA-011 features Zero Suppression function. With its vernier dial, a three-digit zero suppression value can directly be read and adjusted. You can have an output for recording reduced by an intended amount of DC.
- Useful for enhanced observation focused on the change of blood pressure or other similar studies.

Measurement Range: from -99 to +999 mmHg (digital display) / from -999 to +999 mmHg (analog display)
 Selectable Sensitivities: 2, 5, 10, 20, 50, or 100 mmHg/V 6 levels
 Maximum Sensitivity: 2 mmHg/V
 Filter Hi-Cut: 80Hz (EXTEND 1KHz)
 Mean: 2 sec
 Zero Suppression Range: from 0 to 999 mmHg



Amplifier for Pressure

PA-010

Isolated Model



Strain Gauge

- In addition to the functions PA-001 has, this model is designed to feature a better isolation.
- Its isolation using a photocoupler allows the capability of standing a high voltage of 3000V.

Intended to be used most effectively for clinical studies utilizing in vivo pressure or blood pressure measurement devices.

Measurement Range: from -99 to +999 mmHg (digital display) / from -999 to +999 mmHg (analog display)

Leakage Current: 2 μ A or less / 100V 50Hz

Bio-amplifier

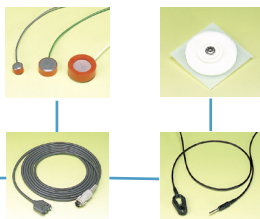
BA-011

Isolated Model



- Amplifier for the measurement of bioelectrical events, such as EMG, ECG, or EEG.
- This multipurpose model with its high input impedance features an increased sensitivity and reduced noise.

Sensitivity: up to 1V / 20 μ V
 Selectable Sensitivities: 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, or 10mV / V
 CMRR: 100 dB or more
 Input Impedance: 100M Ω or more



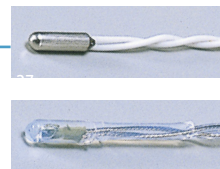
High-precision Thermometer

TA-011



Error in Absolute Value: 0.1 $^{\circ}$ C
 Linearity Error: \pm 0.05 $^{\circ}$ C (Output of Amplifier) (35 $^{\circ}$ C - 45 $^{\circ}$ C)
 This high-precision platinum resistance thermometer features a great degree of linearity, which is typical of a platinum sensor, with its error range of \pm 0.004 $^{\circ}$ C. It displays a three-digit value including the first decimal place, and two settings of temperature, 36 $^{\circ}$ C and 40 $^{\circ}$ C, are available for its thermal calibration.

Measurement Range: 35-45 $^{\circ}$ C
 Error in Absolute Value: 0.1 $^{\circ}$ C
 Linearity Error: \pm 0.05 $^{\circ}$ C (output of amplifier)
 Measurement Range without High-precision: Digital Display / from -9.9 to 99.9 $^{\circ}$ C; Analog Output / from -9.9 to 99.9 $^{\circ}$ C; accuracy \pm 5 %
 GAIN: 10, 5, 2, 1, 0.5, 0.2 $^{\circ}$ C/V
 Display: three-digit
 Zero Suppression: three-digit direct reading with dial control



PAS-system power units Power Source: AC100V 50 / 60Hz



● PAS-101(for 1-channel)
W70×D280×H184 mm



● PAS-211(for 2-channel)
W70×D280×H184 mm



Equipped with all-zero switch
● PAS-401 (for 8-channel)
W117×D310×H150 mm



Equipped with all-zero switch
● PAS-801 (for 8-channel)
W440×D310×H70 mm



● FS-08M: W275×D155×H125 mm
● FS-04M: W125×D155×H125 mm