



MODEL-4001B CHARGE AMPLIFIER

- This equipment is a micro-charge amplifier that amplifies charge signals virtually ranging from DC to 50 kHz. It is best suited for use in conjunction with a piezoelectric pressure sensor.
- Simple, easy-to-use instrument engineered with emphasis on basic performance.
- Discharge time constants selectable between LONG and SHORT.
- Built-in output calibration signal (supplied from the power supply unit).
- Compatible with various types of sensors, such as vibration, pressure, and force, as long as they are of the charge output type.
- Ready for concurrent use with the charge amplifier Model-4035.

Composition

Charge Amplifier	MODEL-4001B	4pc
Power Supply	MODEL-4001-10	1pc

Channel Case MODEL-4035-21(4 Channel) 1pc
Instruction manual 1 copy

Specifications

Measuring Range	10.0-99.9pC/UNIT: 1,2,5,10,20,50,100UNIT/VOLT
Range Accuracy	with $\pm 1.5\%$ (at 80Hz)
Frequency Response	Range 10-100 ; DC-50KHz $\pm 5\%$ Range 5 ; DC-40KHz $\pm 5\%$ Range 2 ; DC-20KHz $\pm 5\%$ Range 1 ; DC-10KHz $\pm 5\%$
Time Constant	Short: Range $\times 0.1$ sec(Resistance $10^9\Omega$) Long : Range $\times 1000$ sec(Resistance $10^{13}\Omega$ min.)
Cut Off (Low Frequency)	($0.16/TC$)Hz
Linearity	$\pm 0.1\%$
Noise Level	0.1pC RMS max.
Drift	± 0.03 pC/S max.(Use DC Balance)
Reset Error	± 0.5 pC max.
Charge Input Max.	$\pm 100,000$ pC (Through Rate 5000pC/ μ s)
AC Output	± 10 V max. or ± 5 mA max.
Output Impedance	100 Ω
Output Cal Signal	0-10V DC (Use Power Unit)
Over Load Lamp	Go on when output voltage ± 10.5 V
Temperature Humidity	0-50 $^{\circ}$ C,80%RH max.
Power	Charge Amp Unit: ± 15 VDC 20mA max. Use Power Supply Unit: AC100V ± 10 V
Weight	Charge Amp Unit: 310g/CH Power Supply Unit: MODEL-4001-10: 800g 4CH Case: MODEL-4035-21: 970g

Distributor Indonesia:



PT. TAHARICA
Jl. Pahlawan Revolusi No. 22 B
Jakarta 13430 - INDONESIA
Tel: +62-21-8611444, 8611131, 8611259 (Hunting)
Fax: +62-21-8611207