



MODEL-4409 DYNAMIC AMPLIFIER

- This amplifier system is used to input vibrating acceleration and sound noise into a data recorder using a piezoelectric accelerometer and a condenser microphone.
- Designed for multi-channel vibration/sound level measurement.

Composition

Amp Unit	MODEL-4409-01	7pc
Power Supply	MODEL-4409-12	1pc
Channel Case	MODEL-4409-2*	1pc
Instruction manual		1 copy

Specifications

! Applicable sensor

Condenser Microphone

PU

SENS: x0.1 Range 1.00-9.99mVrms/Pa(=0.1-1mVrms/ μ bar)

x1 Range 10.0-99.9mVrms/Pa(=1-10mVrms/ μ bar)

Piezoelectric Type Accelerometer

PU		
SENS:	x0.1Range	1.00-9.99pC/UNIT maximum output 1000pC
	x1 Range	10.0-99.9pC/UNIT maximum output 10,000pC
	x10 Range	100-999pC/UNIT maximum output 100,000p

! Sound Level Measurement

Measurement Range	50dBsL-130dBsL (Case; PUSENS:x0.1... 70dBsL-130dBsL)
Full Scale Range	-40dB-0dB-+40dB.10dB Step 0dB=90dBsL
Frequency Response	"LIN":2Hz-20kHz(±1dB) "A" Weighting :Conformance with JIS or IEC

! Vibration Measurement

Measurement Range	0.01UNIT-100UNIT FS (Case; PUSENS:x0.1...0.1-100UNIT FS)
Full Scale Range	-40dB-0dB-+40dB.10dB Step 0dB=1G
Frequency Response	2Hz-20kHz(±1dB)
Output	BNC Connector ±1V Full Scale Impedance 10kΩ min
Over Load Indicator	Lit when the output voltage exceeding 1.4Vrms or exceeding the linear sphere.
Level Meter	Analog meter for Monitor output level, Max hold
Cal signal	300 Hz±1%, sinusoidal wave, Output level Variable
Temperature, Humidity	0-50°C.90%RH max
Power Supply	12V DC(10V-15V), 2.5A typ. 4A max.
Size Weight	In case of 7CH Type 325(W)x221.5(H)x302(D)mm 11.5kg In case of 12CH Type 500(W)x221.5(H)x302(D)mm 17.5kg

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