



# ACO Pacific, Inc,

2604 Read Ave., Belmont, CA 94002, USA

WEB: [www.acopacific.com](http://www.acopacific.com) e-Mail: [sales@acopacific.com](mailto:sales@acopacific.com)

Tel: 650-595-8588 Fax: 650-591-2891

# ACOtron™ Preamps

## 4212

### IEPE

1/2 inch microphone preamplifier

## 4212

### High Performance

- IEPE/DeltaTron(B&K) Compatible
- Extended Frequency Response
- Low Noise
- IEC1094 Compatible 1/2 inch Microphone Threads

### Cable:

- Industry Standard BNC Female Connection

### Options

- Right Angle Package: RA and RAS Versions
- IEPE1248 (Phantom) and PSIEPE-4 (PS9200) IEPE Adaptors

### Specifications

#### Electrical: Typical

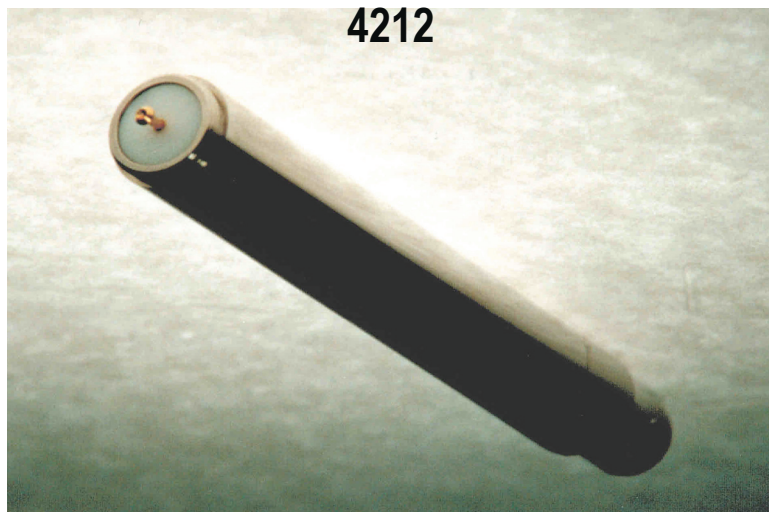
- Using DM2-22 (22pF) Dummy Microphone
- **Frequency Response:**  
  - <10Hz >200kHz +/- 0.5 dB
  - 4 Hz to >> 200kHz +/- 2 dB
- **Insertion Loss:**  
  - <1.1 dB @ 1kHz
- **Loss Variation - Power Supply Sensitivity**  
  - 2mA to 20mA < 0.1 dB
  - 15-30 Vdc <0.05 dB
- **Input Impedance:**  
  - >1 Gohms//0.6 pF
- **Noise(typ):**  
  - "A" weighted 1.8 uV ; 22 Hz -22kHz 8 uV
- **THD- 1%@1Khz :**  
  - 14 Vp-p@4mA 5nF load, 14 Vp-p@20mA 50nF load
- **Power:**  
  - 15-50Vdc @ 2-30 mA 18-30 Vdc Recommended
- **Temperature:**  
  - Operating -20 to >60C

### Mechanical

- Microphone Mount:  
11.7mm- 60UNS Thread

### Options

- **Right Angle Preamps:**  
4212RA  
4212RAS



4212

### Models:

- 4212
- 4212RA Right Angle Preamp
- 4212RAS Right Angle Preamp
- **Microphone Systems:** Mic, 4212 preamp & WS1 windscreens  
  - 7052SYS- 7052E Microphone Capsule (-)29dBV/Pa
  - MK224SYS- MK224 Microphone Capsule (-)26 dBV/Pa

### Accessories:

- DM2-22 Dummy Microphone 22pF, DM2-1K 1000pF or Custom
- ATT-XX Microphone Attenuator 20 and 30 dB values standard
- WS1 3 inch and WS7 7 inch Standard 20 ppi Windscreens
- WS1-80T and WS7-80T Outdoor Treated 80 ppi Windscreens
- ODM Family -Outdoor Microphone Assemblies

### IEPE Power Convertors:

- IEPE1248: Phantom Power to IEPE/ICP Convertor - 4mA (typ)
- PSIEPE-4: PS9200 (XLR) to IEPE/ICP Convertor - 4 mA (typ)

### SPECIALTY PREAMPS



4212RAS

4212RA

# ACOustics begins with ACO™

DS4212-20130626rev1