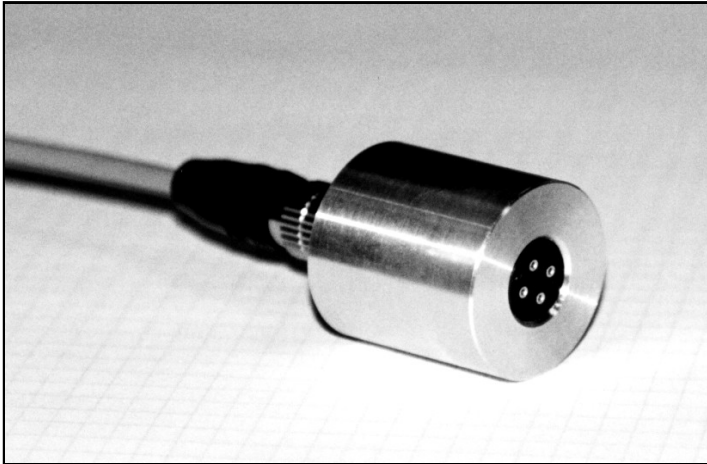




PYPA SERIES PREAMPLIFIER

Especially Configured For Use With Pyroelectric Detectors



Description

The model PYPA series low noise preamplifier has been especially designed for the remote placement and operation of pyroelectric detectors.

The unit is supplied in a 1" diameter by 1" long aluminum housing with a multiconductor-shielded cable. It is configured with a TO5 socket, which will accommodate most standard pinout LTO and DLATGS IR Detectors. The voltage gain is field adjustable from 500 to 5000 with access to the adjustment through a small opening at the rear of the housing.

Applications

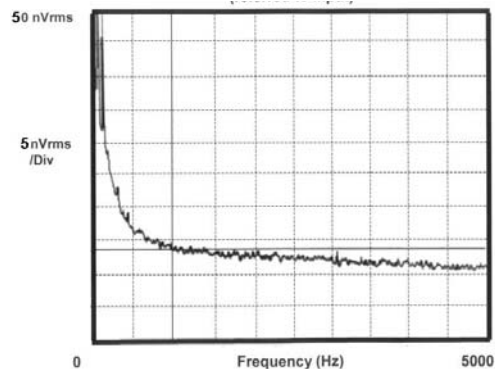
- Process Control
- Environmental Monitoring
- Gas Analysis
- Flame Analysis
- Laser Modulation Studies

FTIR
Non-Contact Temperature Measurement
Features

- Band pass Selectable from 1 to 10 kHz
- Variable Gain (500-5000)
- Low Voltage and Current Operation

Specifications

Gain	500-5000
Bandwidth	1Hz. to 10 kHz. (Factory Set)
Noise	See Chart
Operating Voltage	± 5 to ± 18 VDC
Current	<10mA
Operating Temp Range	-10 to +60 °C
Storage Temp	-30 to +85 °C
Dimensions	1" Dia. 1" Long
Standard Cable (others available)	6 ft W/ Tinned Leads



PYPA-1253 Noise Response

Ordering Information

The PYPA bandwidth (3db) is adjusted at the factory. The high and low pass frequency are implied in the part number (PYPA-HP, X₁, LP, X₂)

You must specify the bandwidth you require.

High Pass Frequency		Low Pass Frequency	
HP	X1	LP	X2
Significant Figure	Exponent	Significant Figure	Exponent

Example:

PYPA-1253 defines a bandwidth of 100 Hz. 5 kHz (typical for the FTIR application)

PYPA-1112 defines a bandwidth of 10 Hz to 100 Hz (typical for the NDIR application)

Options

PYPA PS

Interface Box (includes power supply and cable)

PYPA-CA-Y

Non Standard Cable length (Y = length in feet 10 ft max)

PYPA-CA-BE

Cable with connectors on both ends (for use with Interface box)

Mechanical Outline

