



ADVANCED
RESEARCH INSTRUMENTS
CORPORATION

PMT-5R CURRENT TO VOLTAGE AMPLIFIER

SPECIFICATIONS

Input Impedance	1k Ω
Input Signal Range	1pA to 1 μ A per 1V output
Input Range Selector	Remote via 3 logic lines
Output Range	± 10 V
Output Impedance	100 Ω
Power Requirements	± 15 V, 50mA
Physical Size	2.5 x 5 x 2 inches
Output Connector	BNC and 9 pin sub miniature D

9 Pin Sub Miniature D Connector Pin Out

1	N/U
2	Bit 0 LSB
3	+15VDC
4	Bit 1
5	Bit 2 MSB
6	Signal GND
7	Power GND
8	-15VDC
9	Output

Range (A/V)	Range Selection						
	10 ⁻⁶	10 ⁻⁷	10 ⁻⁸	10 ⁻⁹	10 ⁻¹⁰	10 ⁻¹¹	10 ⁻¹²
Bit 0	0	1	0	1	0	1	0
Bit 1	0	0	1	1	0	0	1
Bit 2	0	0	0	0	1	1	1

TTL = Positive Logic
1 = +5V 0 = 0V

FEATURES

- Low Noise
- Wide Sensitivity Range
- Small Size
- Stabilized Power Conditioning
- Low Cost

APPLICATIONS

- Spectroscopy
- PMT or Photo Diode Preamplifier
- Low Light Level Detection
- Detection of Currents in the Pico Ampere Range