



ADVANCED  
RESEARCH INSTRUMENTS  
CORPORATION

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## PMT-4L CURRENT TO VOLTAGE AMPLIFIER

### SPECIFICATIONS

Input Impedance	50Ω		
Input Signal Range	.1, 1 and 10μA per 1V output		
Output Range	±10V		
Output Impedance	100Ω		
Power Requirements	±12 to 15VDC, 50mA		
D.C. Drift	0.2pA/°C		
Range	<u>.1μA/V</u>	<u>1μA/V</u>	<u>10μA/V</u>
Bandwidth low cap. input	100kHz	800kHz	3MHz
Equivalent Input noise	1 nAp-p (100 pA RMS)	6 nAp-p (600 pA RMS)	30 nAp-p (3 nA RMS)

### 9 Pin Sub Miniature D Connector Pin Out

1	N/U
2	N/U
3	Positive supply voltage (+12 to 15VDC)
4	N/U
5	N/U
6	Signal Ground
7	Power Ground
8	Negative supply voltage (-12 to 15VDC)
9	Output

### FEATURES

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

### APPLICATIONS

Spectroscopy  
PMT or Photo Diode Preamplifier  
Low Light Level Detection