

Trans impedance Amplifier



Photodiode Amplifier

LTA-10



For checking performance or quality confirmation
of the photodiodes

Automatic offset alignment

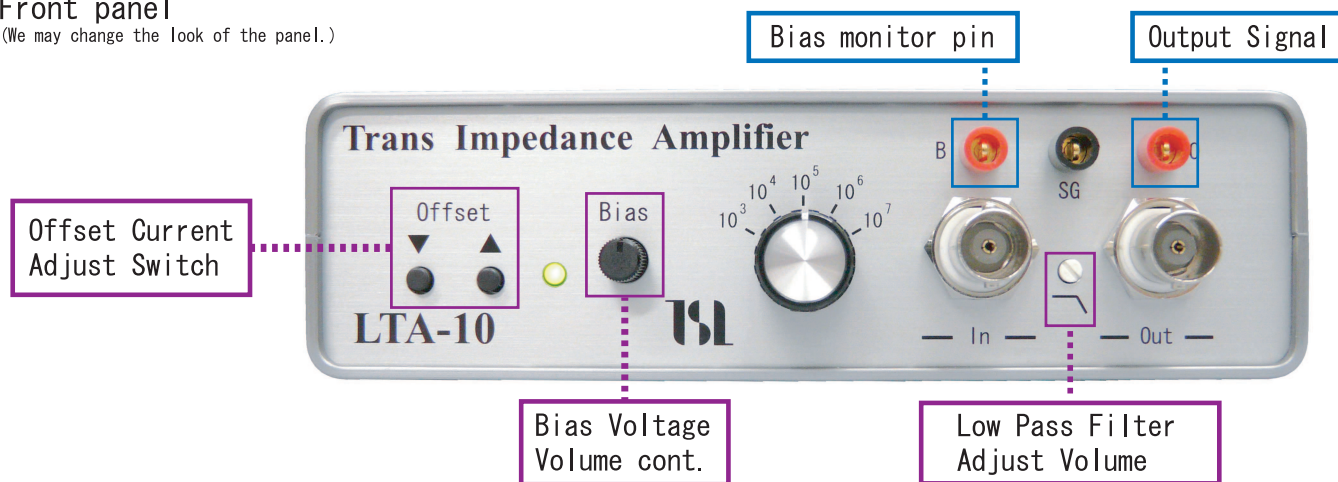
Adjustable simple LPF built-in

- Low-noise design
- The 5-step range up to 10^7
- Adjustable Bias voltage of $\pm 10V$
- Adjustable offset current of $\pm 50\mu A$
Digital settings of $25nA$

Total Solution Laboratory

Front panel

(We may change the look of the panel.)



Features

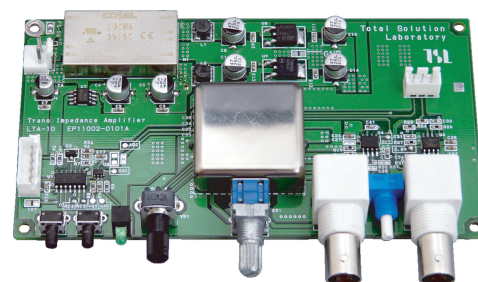
- 5 Decade Gain Range
- $\pm 10\text{V}$ Bias Voltage (Can be measured at the monitor pin)
- 25nA step, $\pm 50\mu\text{A}$ max Offset Current Insertion (Digital)
- Useful Auto offset function for the dark current reduction
- The simple LPF is convenient for checking lower frequency
- The Offset current set are stored during power OFF

Specifications

Gain Range	10^3 、 10^4 、 10^5 、 10^6 、 10^7
Linearity Error	$< 0.1\%$
Input Current Noise	$5\text{ pA}/\sqrt{\text{Hz}}$
Frequency Response	250 kHz (10^5 range、LPF thru)
Bias Voltage	$\pm 10\text{ V}$
Offset Current	$\pm 50\text{ uA}$ (25nA step)
Low Pass Filter	$\div 15\text{ kHz} \sim \text{Thru}$
max Input Current(rating)	$\pm 5\text{ mA}$
max Output Voltage(rating)	$\pm 5\text{ V}$ (Load $> 100\Omega$)
Power consumption	0.3A @5V no-Input·no-Load
Profile	W140×H40×D100 (w/o Rubber)
Weight	$< 380\text{g}$
Accessory	AC adaptor

Price (before TAX)

LTA-10 ¥60,000



* It operates at 4.5~9V supply voltage, please be considerate of the noise of the power to be supplied.

* We may sell only Board assembly for embedded purpose. Please refer for the detail.

Manufacturer :

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