

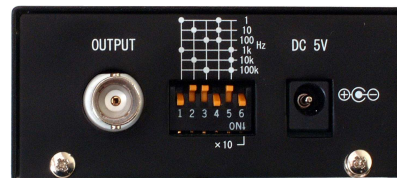
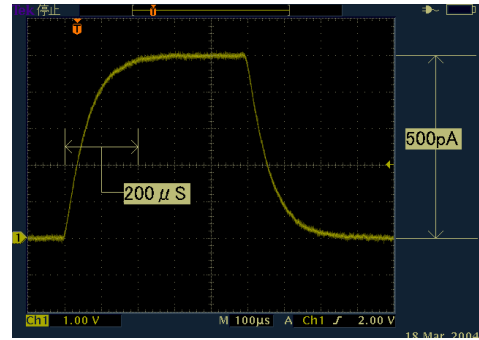
Ultra-high Speed, Ultra-highly Sensitive, and Ultra-low Price Galvanometer Amplifier



T-IVA001HZ

Features

Used to accurately convert ultra-small current into voltage at high speed and of a compact, light, and highly mobile size. Also incorporates input protection and bandwidth adjustment filters. An array of features but available at a very low price.



Rear

Specifications

Number of Channels	1
Current Voltage Conversion Rate	2 Ranges of 10G (giga) [V/A] and 100G [V/A]
Input Current Range	±500 pA (10G range) / ±50 pA (100G range)
Conversion Rate Accuracy	Within ±1%
Frequency Property	Rise response 200 μ second or less (90% or more, Output 5V start-up) DC ~ approx. 2 KHz (within ±3 dB) Output ± 2.5Vp
Built-in Low Pass Filter	fc = 1Hz/10Hz/100Hz/1KHz/10KHz/100KHz, all -6dB/oct
Noise Output (each rms) (Output Voltage with Input Current)	100G Range, Filter approx. 2pA (output noise 200mV) at 10KHz approx. 200fA (output noise 20mV) at 100Hz approx. 10fA (output noise 1mV) at 1Hz 10G Range, Filter approx. 2pA (output noise 20mV) at 10KHz approx. 180fA (output noise 1.8mV) at 100Hz approx. 40fA (output noise 0.4mV) at 1Hz
Max. Output Voltage	±5Vp
Max. Output Current	±10mA
Offset Adjustment	Adjustable on the front panel (adjustable range of ± 2pA or more)
Offset Drift	20fA/C
Output Resistance	50Ω
Power Supply	DC5V ± 5% (supplied through AC/DC adaptor)
Consumed Current	approx. 90 mA (5V)
Operating Temperature	5C ~ 45C
Recommended Operating Temperature	25C or less
Dimensions	80 (w) x 35 (h) x 75 (d) mm (protrusions such as connectors not included)
Weight	approx. 240 g (AC/DC adaptor and connection cables not included)

Accessories AC/DC Adaptor (AC100V ~ 240V)

1 set

Both the specifications and usage are subject to change from improvements. Free warranty period of 6 months.

We contract the development, design, and manufacture of various systems using electronic and computer technologies.



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