



भारतीय प्रौद्योगिकी संस्थान कानपुर
Indian Institute of Technology Kanpur

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1 September 2015

Inquiry No. **IITK/CHM/TGG/2015/003**
Last date: 31st August, 2015
Extended to: 7th September, 2015

Sub.: Request for quotation for ULTRA LOW NOISE CURRENT AMPLIFIER for spectroscopy

Dear Sir/Madam

Kindly send us sealed quotations for the following items. Preferably, provide us a combined quotation for both items. Quotations should be addressed to **Dr. Thiruvancheril G. Gopakumar, Department of Chemistry, IIT Kanpur 208016**, and must reach on or before 7th September, 2015.

Thanking you

Thiruvancheril G. Gopakumar

Specifications for ULTRA LOW NOISE CURRENT AMPLIFIERS for spectroscopy

1) ULTRA LOW NOISE CURRENT AMPLIFIERS, Gain 5×10^8 V/A

- Gain: Transimpedance 5×10^8 V/A (Accuracy $\pm 1\%$)
- Input: Input Noise Current 10 fA/√Hz (@ 1 kHz)
Input Noise Voltage 5 nV/√Hz (@ 1 kHz)
Max. Input Current ± 20 nA (Linear Amplification)
Input Offset Voltage < 1 mV
- Frequency Response: Lower Cut-Off Frequency DC
Upper Cut-Off Frequency 10 kHz
Rise- Time 40 μ s
Gain Flatness ± 0.1 dB
- Output: Output Voltage ± 10 V
Output Impedance 50 Ω
Max. Output Current ± 10 mA (Linear Amplification)
- Operating Temperature 0 ... +60 °C

2) ULTRA LOW NOISE CURRENT AMPLIFIERS, Gain 5×10^9 V/A

- Gain: Transimpedance 5×10^9 V/A (Accuracy $\pm 1\%$)
- Input: Input Noise Current 3 fA/√Hz (@ 1 kHz)
Input Noise Voltage 8 nV/√Hz (@ 1 kHz)
Max. Input Current ± 2 nA (Linear Amplification)
- Frequency Response: Lower Cut-Off Frequency DC
Upper Cut-Off Frequency 10 kHz
Rise- Time 40 μ s
Gain Flatness ± 0.1 dB
- Output: Output Voltage ± 10 V
Output Impedance 50 Ω
Max. Output Current ± 10 mA (Linear Amplification)
- Operating Temperature 0 ... +60 °C

Terms and Conditions:

1. Price should be CIP Delhi/Kanpur
2. Warranty: 1 year or more