



भारतीय प्रौद्योगिकी संस्थान कानपुर
Indian Institute of Technology Kanpur

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10 September 2015

Inquiry No. **IITK/CHM/TGG/2015/004**

Last date: 17th September, 2015 till 1:00 PM

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 17th September, 2015 till 1:00 PM.

Thanking you

Thiruvancheril G. Gopakumar

Specifications for ULTRA LOW NOISE CURRENT AMPLIFIER for spectroscopy

1) ULTRA LOW NOISE CURRENT AMPLIFIER

- Gain: Transimpedance 1×10^9 V/A (Accuracy $\pm 1\%$)
- Input: Input Noise Current < 7 fA/√Hz (@ 1 kHz)
Input Noise Voltage < 10 nV/√Hz (@ 1 kHz)
Offset Current Compensation $< \pm 3$ nA
Max. Input Current ± 10 nA (Linear Amplification)
- Frequency Response: Lower Cut-Off Frequency DC
Upper Cut-Off Frequency 4 kHz
Rise time < 100 μ s
Gain Flatness ± 0.1 dB
- Output: Output Voltage ± 10 V
Output Impedance 50 Ω
Max. Output Current ± 10 mA (Linear Amplification)
- Supply ± 15 V
- Operating Temperature 0 ... +60 °C

Terms and Conditions:

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