

**Indian Institute of Technology Kanpur  
Department of Electrical Engineering**

**Enquiry for Four-probe Setup for Temperature Dependent Resistivity Measurement**

**Enquiry No.:** IITK/EE/AV/2017-18/01

**Enquiry Date:** Dec 22, 2017

**Closing Date:** ~~Jan 02, 2018~~ Extended to Jan 08, 2018

Sealed quotations by post/courier are invited for a **Four-probe setup for temperature dependent resistivity measurement** as per the specifications and terms and conditions listed below. Please write the Enquiry no. on the envelope.

**Specifications:**

1. Resistivity Measurement Range:  $10^{-5} - 10^4$  Ohm-cm
2. Temperature Range: Room-temperature to +200 °C
3. Temperature should be controllable through a PID controller
4. Temperature Measurement Accuracy:  $\pm 0.5$  °C or better
5. All four probes should be individually spring loaded, collinear and equally spaced
6. The setup should be able to measure  $\sim 1$  cm<sup>2</sup> samples, please mention probe spacing in the quoted setup.
7. Applied current accuracy:  $\pm 0.5\%$  or better
8. Measured voltage accuracy:  $\pm 0.25\%$  or better
9. Accessories
  - a. Standard Samples (Si, Ge etc.)
  - b. All connection cables
10. All parts must be compatible with 220V/50Hz supply

**Terms and conditions:**

1. The complete setup must have atleast 1 years warranty from the date of installation, without any additional charge.
2. All accessories required for installation must be included in the quote.
3. All charges (taxes, shipping etc.) should be included in the quote.
4. Include authorization certificate from the principal if you are a local agent.
5. The quoted price should be FOR IIT Kanpur, and payment terms should be NET30.
6. The manufacturer's specification sheets for the products **must be** enclosed.
7. Attach compliance sheet and complete details of the products.
8. Quotations should have a minimum validity of 60 days.
9. The goods should be delivered no later than 30 days from the day of the placement of the order from IIT Kanpur. Particular importance will be given for prompt delivery of the goods. The delivery period should be specifically stated.
10. Maximum educational discount should be applied – these products will be used for research as well as to teach and train students.
11. The institute reserves the right of accepting and rejecting any quotation without assigning any reason.
12. The indenter reserves the right to cancel the tender without being answerable.
13. A single quote should be made with financial and technical specifications.

Address quotations to

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