

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Department of Electrical Engineering

Enquiry No.: EE/SA/Inq/2016-17/03

Opening Date: 22-Sep-2016

Closing Date: 03-Oct-2016

Sub: Inquiry for Digital Multimeter

We are interested in purchase of a Digital Multimeter of the following configurations. Our organization is an educational institute of repute and liable to get **educational discount** from the manufacturer / supplier. Please specify the discount separately.

Technical specifications of the product should be included with the quotation.

Please send your **Sealed Quotation** to the undersigned for the same. The envelope should be marked as “**Digital Multimeter - EE/SA/Inq/2016-17/03**”

Items required:

Item required	Specifications	Quantity
Digital Multimeter	<p>Benchtop 6½ Digit Digital Multimeter with PC connectivity, data-logging capability. It should have Auto calibration functionality to compensate for temperature drift.</p> <p>DC Specification: DCV accuracy: 30ppm Voltage range: 100mV (accuracy : ≤0.0065 % over 2 year) to 1000V (accuracy : ≤0.0055 % over 2 year) Current range: 1 μA (accuracy : ≤0.060 % over 2 year) to 10 A (accuracy : ≤0.150 % over 2 year). Resistance range : 100Ω (accuracy : ≤0.0006 % over 2 year) to 1000 MΩ (accuracy : ≤1.0 % over 2 year), 2– Wire & 4 – Wire resistance measurement capabilities</p> <p>AC Specification: Voltage range:100mV to 1000V (accuracy : ≤ 0.5 % over 2 year for 3-5 Hz range, ≤ 1.0 % over 2 year for 100-300 kHz range) Current range: 100 μA to 10 A (accuracy : ≤ 0.1 % over 2 year for 3-5 Hz range, ≤ 0.15 % over 2 year for 100-300 kHz measurement) Capacitance range: 1 nF (accuracy : ≤ 0.5 % over 2 year) to 100μF (accuracy : ≤ 0.40 % over 2 year) Frequency range: 3Hz (accuracy : ≤ 0.70 % over 2 year) to 300KHz (≤ 0.008 % over 2 year) Continuity test and Diode measurement capability up to 5V (accuracy : 0.012 % over 2 year)</p>	1

	<p>Temperature measurement function: with RTD/PT100, thermistor and thermocouple.</p> <p>Reading rates: Minimum 5,000 readings/s</p> <p>Memory: Minimum 50,000 reading.</p> <p>IO interface: USB and LAN/LXI</p> <p>Display: Color Graphical dual line display</p> <p>Statistical graphics: Histogram, bar chart, trend chart.</p> <p>Software: Software for computer connectivity and datalogging to be included.</p> <p>Calibration Certificate and User manual from manufacturer is required.</p> <p>Should have at least 3 year warranty</p>	
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Note:

1. Your quotation shall contain Authorization Letter from manufacturer.
2. Quotation must be valid for minimum of 60 days.
3. **Delivery period should not be more than 4 weeks** and delivery should be at IIT Kanpur. The Penalty @1% per week or part thereof subject to max 10% of the delivery price will be deducted from the balance payment, if supply is not completed within stipulated period.
4. Send complete detail of the product(s).
5. Payments terms: 90% on installation and 10% on satisfactory report.
6. Price must include all taxes and charges (including delivery, installation, training etc.)
7. IITK is exempted from custom duty and road permit, Provide suitable discount against CDTE certificate.
8. All prices are to be FOR IIT Kanpur.
9. The Institute reserves the right of accepting and rejecting any quotations without assigning any reason.

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