

Indian Institute of Technology, Kanpur
Department of Mechanical Engineering

Tender Documents

Sub: ENQUIRY LETTER FOR HOT WIRE ANEMOMETER

Tender Enquiry Number: IITK/ME/PRJ/2021-22/02

Enquiry Date: 30.09.2021

Closing Date: 10.10.2021

Opening Date: 11.10.2021

Quotations are invited for the above mentioned subject as per the technical specifications given below:

Specifications

Hot wire anemometer	<ol style="list-style-type: none">1. A hot-wire anemometer system/module that works with a single hot-wire sensor for velocity measurements is required.2. Bandwidth: 10 kHz at 50 m/s in air.3. Allowable range of probe cold resistance: 1-10 Ohm or wider range is desirable.4. Allowable probe hot resistance: 4-36 Ohm.5. Output voltage: 0.05–7 V.6. Maximum probe current: 400 mA7. Output low-pass filters (-3 dB): 1 kHz, 3 kHz, 10 kHz.8. Provision of adjusting DC offset and DC gain is desirable.9. Noise: 5 nV/√Hz or less is desirable.10. The anemometer should work with Dantec hot-wire probes.11. The anemometer should work with USB-6212 I/O device from National Instruments.12. Operating temperature range: 0° to 50°C.13. Size must be smaller than 150 mm × 150 mm × 150 mm.14. Accessories such as power supplies and adaptors, if any, and BNC cables (two cables, at least 10 m long) must be included.
Software	<ol style="list-style-type: none">1. Operable on Windows platform2. For calibration, data acquisition and reduction3. Price for the software must be quoted separately.

Note: The Quotation should reach the undersigned on Or Before 5 Pm on a 11th October 2021.

Indentor Details:

Dr. Pranav Joshi,
Assistant Professor,
Department of Mechanical Engineering
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Terms and Conditions:

1. Quotation should be offered through email (jpnanavr@iitk.ac.in)
2. Maximum discount should be offered.
3. Quotations should be valid for minimum 90 days
4. Delivery period will be 6-8 weeks after receipt of purchase order.
5. IIT Kanpur is fully exempted from payment of GST on Imported Goods against our DSIR certificate.
6. IIT Kanpur is partially exempted from payment of Customs Duty (We will provide Custom Duty Exemption Certificate, CD applicable is 5.5%).
7. Manufacturer authorization certificate from principal company is required if you are a local supplier
8. Include Preparatory Item Certificate if applicable.
9. The Institute reserves the right of accepting or rejecting any quotation or bid without assigning any reason thereof.
10. All prices should be mentioned F.O.B/CIP/CIF New Delhi or Destination at IIT Kanpur.
11. Payment Terms: 100% after supply of the materials.
12. Bidder must clearly mention their contact details with address and email ID.



Signature

Dr. Pranav Joshi