

**Indian Institute of Technology, Kanpur**  
**Department of Mechanical Engineering**

**Tender Document**

**Sub: ENQUIRY LETTER FOR HOT WIRE ANEMOMETER**

**Tender Enquiry Number: IITK/ME/PRJ/2022-23/01**

**Enquiry Date: 2.03.2022**

**Closing Date: 15.03.2022**

**Opening Date: 16.03.2022**

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

**Specifications**

1. A constant-temperature hot-wire anemometer system/module that works with a single hot-film sensor for measurements of wall shear stress is required.
2. Bandwidth: DC to 10 kHz or better.
3. Allowable range of probe cold resistance: 4-16 Ohm or wider range is desirable.
4. Option of low-pass filters with multiple user-selectable cut-off frequencies is desirable.
5. Provision of continuously adjusting DC offset and DC gain to any value (within the range) is desirable.
6. Noise: less than 1 mV peak-to-peak (top of bridge) at DC-100 kHz bandwidth desirable.
7. The anemometer should work with Dantec flush mounted hot-film probe 55R46:  
<https://www.dantecdynamics.com/components/hot-wire-and-hot-film-probes/single-sensor-probes/film/>
8. The anemometer should work with any ADC card with a +/-10 V input voltage range.
9. Operating temperature range: 0° to 50°C.
10. Built-in Square Wave/Pulse Generator desirable.
11. Accessories such as power supplies and adaptors, if any, and BNC cables (two 5 m long cables) must be included.

**Note: The Quotation should reach the undersigned on or Before 5 Pm on 15th March 2022.**

**Indentor Details:**

**Dr. Pranav Joshi,**  
**Assistant Professor,**  
**Department of Mechanical Engineering**  
**Indian Institute of Technology, Kanpur-208016**  
**Contact: 0512 259 2023, Email: jpranavr@iitk.ac.in**

**Terms and Conditions:**

1. Quotation should be offered through email ([jpranavr@iitk.ac.in](mailto:jpranavr@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**