

Request for Quotation

REF: **AE/DD/2013/02**

Date: October 1, 2013

Subject: Quotation for supply of: **Hot wire Anemometer** as per the following specifications

With reference to the subject mentioned above, you are invited to submit the quotation for Technical Specifications and price in two separate sealed envelopes in order to reach us before **October 4, 2013** in the proforma quotation enclosed herewith in the form of hard copy / soft copy for use.

Technical details/Specifications required for the Hot wire Anemometer

Specifications for Hot Wire Anemometer (CTA)

CTA System:

No. of channels: 02 Nos. The system should be such that any extra channels can be added later on within next four years. (up to minimum 6Nos.)

Temporal frequency per channel: >250 kHz

The main frame should have a temperature probe

CTA modules should have a signal conditioner and filters

The system should include software, manuals, all required cables (min 4m length), installation CDs etc..

DAQ System:

The system should be such that National Instruments (NI) PCI-6133 along with BNC box 2110 can be easily integrated with the system and the software. All the required device drivers, cables (min 4m length) should be provided for integrating the above with the CTA system. Else system should include those items.

Temperature Module for fast temperature variations:

Probe current, offset, gain and filters should be controllable.

The system should have adjustable High Pass filter and Low Pass filters.

Resolution: max. 0.01 °C

Output voltage range: 0-10 Volts

Probes and probe supports (quote the price separately for each item):

Probes:

1. Cable-equipped miniature wire probe, with straight support and 1 m cable with BNC connector– 10 Nos.
2. Film probe for water-2no.
3. X Wire Probe, straight - 1 No.
4. Temperature probe for using in temperature module for fast temperature variations – 2 Nos
5. Parallel array hot-wire probe – 1 Nos

Probe supports:

1. Straight probe support, long for water – 1nos.
2. X-Wire Probe Support, long – 2 Nos
3. Probe support for temperature probe – 1 Nos.
4. Probe support for Parallel array hot-wire probe – 1 Nos

Warranty: Minimum 2 Years.

Input Voltage: 220-230 VAC, 50Hz

Optional Accessories: (Please quote the following accessories as optional)

1. Plated tungsten wire for wire probe repair – 1Nos.
2. Parallel array hot-film probe – 1 Nos

The soft copy of the model quotation can be downloaded from our website placed at the following link: (Form No. 608)

http://web.iitk.ac.in/dord/rndforms/project_purchases.php

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