

Department of Architecture Town and Regional Planning
Indian Institute of Engineering Science and Technology, Shibpur
Howrah-711 103

Enquiry No. 013/IIEST/ATRP/WEB TEND/2019

Date: January 18th, 2019

To,

All the Enlisted Suppliers/Dealers/Manufacturers

Sealed quotations are invited for supply of the following Equipment for the Dept. of Architecture Town and regional Planning, IIEST, Shibpur. The sealed quotations should be addressed to the Head of the Department indicating enquiry no. with date on the top of the sealed envelope. The sealed quotations should be submitted to the office of the Department on any working day within 03/02/2019 till 4.00 P.M.

SPECIFICATION OF MULTI FUNCTIONAL ANEMOMETER

1. Type: Battery operated Portable Multifunction Instrument with differential pressure

2. Features of instrument:

- * Bluetooth and cable both probes for greater measuring convenience.
- * universal handle for all probes
- * parallel display of 3 measuring values; configuration and results at a glance
- * internal memory for up to 7500 measurements
- * Provision for data transfer to PC / Laptop.
- * System should be configurable & up gradable as per the user requirement.
- * System should be smart type for easy recognition of inputs connected to it.
- * Should be able to measure Air velocity with hot wire, Vane probe & Pilot tube to cover wide measuring range
- * In Instruments can provision for connect different probes for future requirements:
Measured Parameters: Temperature, Differential Temperature, Humidity, Differential Pressure, Air Velocity, Volume Flow, IAQ (Temp+Humidity+CO₂), Comfort level measurement, Radiant Heat, with different probes

4. Features for Measuring AIR Velocity, Temp-Humidity:

Hot wire probe head, incl. temperature and humidity sensor

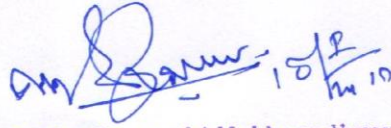
- * Range velocity: 0 to 20 m/s, Accuracy - $\pm(0.03 \text{ m/s} + 4\% \text{ of m.v.})$
- * Temperature tolerance: 0 to 70 deg C, Accuracy - $\pm 0.5 \text{ }^\circ\text{C}$
- * Range Humidity: 10 to 90 %RH, Accuracy - $\pm 3 \text{ \%RH}$
- * Cable handle & Bluetooth handle both required.
- * Calibration Certificate for all parameter.

5. Globe probe \varnothing 150mm, Class 1 TC Type K, for measuring radiant heat, Temp range 0-120 deg C with Calibration Certificate

6. Lux probe: Range - 0 to +100000 Lux

General points:

1. Warranty of whole instrument should be minimum 2 years.
2. Portable carrying case for instrument & probe with proper safety arrangement.
3. Tripod should supply with instruments for hold different probe at a time in site.
3. Certificate of calibration for velocity, Temp-Humidity & Globe by a standard agency or ISO.
4. Service and support for the instrument available in India for next 5-7 years.
5. Service manual & trouble shooting details to be provided.
6. Commissioning / Demonstration and training for two persons for operation of this equipment at site.
7. Manufacturer should have own service & calibration facility in India



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Copy forwarded for information to:

Institute Website, IEST, Shibpur, Howrah-711103

For details the vendors may contact Ar. Sankhanil Das (Mobile No. 9477528826) during working hours.