

NOTICE INVITING QUOTATIONS FOR CORIOLIS MASS FLOW METER

8/8/2011

Technical Specifications

A test facility for studying Condensation characteristics inside enhanced tubes is being created in Refrigeration and Air Conditioning Research laboratory, Block III- 254 at IIT Delhi. The test facility shall be incorporating Coriolis Mass Flow Meter with the following technical specifications.

- 2 Nos

Process parameters:

1. Temperature: 5°C to 75°C
2. Pressure: 1 – 50 bar
3. Density: 500 – 1500 kg/m³
4. Medium: Refrigerants (Pure and blended)
5. Mass flow rate: 5kg/hr – 300kg/hr
6. Dynamic Viscosity: 50 - 300 μPa.s
7. Variables to be Measured : Mass Flow Rate & Density

Sensor specifications:

1. Accuracy: ± 0.1% of measured value
2. Line size: 3/8" (with adapters for 1/2", 1/ 4" & 5/ 8")
3. Sensor Tube: Stainless Steel (AISI 314L/316L/318L)
4. Protection category: IP 67

Transmitter specifications:

1. Type: Remote - rack mounted
2. Display: 2/3 lines LCD display
3. Input voltage: 220V / 50 Hz
4. Interface: RS 485/ RS 232
5. Cable length: 10 m

Important Requirements:

- Resistant to field effects such as vibrations.
- Calibration Certificate should be provided.

Paul [Signature]

Terms and Conditions:

- i. Vendors who have supplied such flow meters earlier should only quote and provide a list of academic institutions / industries along with full contact details where this product has been supplied by them.
- ii. The vendor should provide **technical and commercial bids in separate sealed envelopes** and each envelope should be clearly marked with words **“Technical Bid” and “Commercial Bid”**.
- iii. Quotations should preferably be submitted by manufacturer or their sole selling agents with an authorization certificate from their respective principles.
- iv. Minimum warranty period should be of **2 years**.
- v. IIT Delhi is exempted from excise duty and necessary certificate can be issued, if required.
- vi. IIT Delhi reserves the right to reject any or all quotations without assigning any reason.
- vii. The price quoted should be CIF, IIT Delhi including all taxes.
- viii. Send your techno- commercial offer to the following address so as to reach latest by 23rd **August 2011 at 5pm**.

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Note: IIT, Delhi is an academic institute of national repute and Coriolis Flow Meter will be used for academic and research purposes. Any special discount, if offered to academic institutes may also be mentioned in the offer.

Prabal Talukdar