



**Department of Mechanical Engineering  
Indian Institute of Technology Kanpur  
Kanpur (UP) 208016 India**

Sameer Khandekar  
Professor  
Room: SL-109  
Tel: #-(0512)-259-7038  
E-mail: samkhan@iitk.ac.in

Date: 19/02/2016

Enquiry number: PCTS/ME/2016/55

**Subject: Web Enquiry**

We are planning to purchase two flow meters/controllers, one each, for air and helium (Sierra make) for our sponsored research project. The specifications should be strictly as follows:

1. Flow measuring range: 0 to 1000 SLPM (standard liter per minute)
2. Working temperature range: Upto 50°C
3. Operating pressure: Upto 30 bar (absolute)
4. Working media: Air and helium
5. Output: voltage signal (V or mV)
6. Digital communication: RS 232 interface
7. Input Voltage: 5 Vdc to 30 Vdc
8. Accuracy: 1% of full scale or higher
9. Repeatability: 0.2% of full scale or better
10. Leak integrity:  $5 \times 10^{-9}$  atm cc/second helium or lesser
11. Response time (sensor): 2 sec or lesser
12. Flow sensor must be able to measure as well as control flow of gases (including toxic and corrosive gases) over the entire measuring range.

Kindly send hard copy of your offer at the following address before 29 February, 2016. The offer must contain the usual terms and conditions of supply, tax, freight charges, offer validity, warranty, educational discount, delivery period etc. Any other accessory required for the flow meter/controller must be quoted and described separately along with the main financial offer.

**Technical and financial offers must be packed separately.**

Thanking you,

Sameer Khandekar

SL-109, Phase Change Thermal Sciences Laboratory  
Indian Institute of Technology Kanpur (INDIA) 2080 016  
Phone: 0512-2597967, e-mail: cgoswami@iitk.ac.in