



INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
DEPARTMENT OF CIVIL ENGINEERING  
STRUCTURAL ENGINEERING LABORATORY

DR. SAMIT RAY CHAUDHURI  
ASSOCIATE PROFESSOR

P.O. IIT KANPUR-208016

15<sup>th</sup> February 2018  
Enquiry no. CE/STR/2017-18/Feb/04

**Sensors/Transducers for Structural Engineering**

For experimental research work at our Structural Engineering Laboratory, we would like to purchase the following sensors/transducers with general specifications as mentioned below;

1. Position transducers (Long Stroke Displacement Transducer type): dc-dc displacement transducer

**Specification:**

- Measurement range: +/- 50 mm; and +/- 100 mm
- Excitation: up to 30 VDC
- Output signal: 0 to supply voltage (5 V)
- Linearity: +/- 0.25% full scale.
- Cable: Multi-conductor shielded cable 16ft long

2. Accelerometers (Strain Gauge based):

**Specification:**

- Measurement range: +/- 10 g
- Excitation: 5 VDC
- Output signal: up 25 mv/excitation - in dc
- Sensitivity: less than 6%
- Frequency Range: DC to 600Hz Max
- Cable: Multi-conductor shielded cable 16ft long



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Kindly send your offer (Original, Signed with the name of signing authority) in a sealed envelope with label quotation, for the above items mentioning the following:

1. Cost of the item with technical specifications in detail
2. Cost of additional optional accessories must be mentioned separately
3. The price should be quoted per unit on ex-works (for Indian manufacturer) and FOB basis (for overseas manufacturer) along with maximum possible *educational discount as well as quantity discount to enable us to place the order for suitable number considering availability of funds*
4. The freight/shipping/documentation etc. costs are to be mentioned separately
5. Warranty & Delivery period and after sales service
6. Proprietary certificate, if applicable
7. Any other relevant details

An early reply latest by 05<sup>th</sup> March 2018 will be highly appreciated. For any further information/clarifications in this regard, please write back to us at [samitrc@iitk.ac.in](mailto:samitrc@iitk.ac.in) or [mohitd@iitk.ac.in](mailto:mohitd@iitk.ac.in).

Thanking you...

Samit Ray Chaudhuri

**-: Last date has been extended till 19 March 2018**