



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

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05 September 2013

Enquiry no. CE/STR/2013-14/SEP/05

Sensors/Transducers for Structural/Earthquake Engineering Experiments

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. Seismic, miniature (weight~50 gm), ceramic flexural ICP accelerometer (uni-axial, +/- 5g) output: 1 V/g, frequency range: 0.1 Hz to 300 Hz, with industrial connector along with low-noise, Teflon cable, (length: 6 m) between sensor connector and other end coaxial BNC connector
2. Triaxial Seismic ICP Accelerometer (+/- 10g) Output: 500 mV/g, frequency range: 0.5 Hz to 5 kHz with industrial connector along with low-noise, Teflon cable, (length: 6 m) between sensor connector and other end coaxial BNC connector
3. Strain gage based accelerometer (+/- 10 g) output: 3-5 mV/g @ Excitation: 5 V with small 4 point mounting and 5m PVC Cable
4. LVDT's (DC type) range: +/- 50 mm and +/- 150 mm (output: +/- 5 V)
5. Velocity Transducer (Short period Seismometer): Mass Travel +/- 1mm (output: min. 300V/m/s); Nominal period: 1 s (Horizontal and Vertical operation)
6. Position transducers (Wire Potentiometer type): Measurement range: +/- 1000 mm; +/- 500 mm; and +/- 50 mm; Output signal 0 to supply voltage (5 V); Linearity +/- 0.5% max.; mechanical life: 5 million shaft revolutions; RCMA certified

Kindly send your offer for the above mentioned system along with 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 16 September 2013 (02:30 P.M) will be highly appreciated. For any further information/clarifications in this regard, please write back to us at kunwar@iitk.ac.in or sud@iitk.ac.in.

Thanking you,

Sincerely

K. K. Bajpai

Note: The last date of submission has been extended up to 23.9.2013