

**Department of Mechanical Engineering
IIT Kanpur**

Quotation request notice

Sealed quotations are invited from dealers/distributors by the undersigned for the following equipment meeting the listed specifications. The quote should reach the undersigned on or before 12/11/2012

Enquiry No: IITK/ME/PV/02

Opening date: 0900hrs, 1.11.2012

Closing date: 1700hrs, 12.11.2012

Equipment: Four channel strain conditioner/strain indicator

Specifications:

Number of strain channels: 4

Bridge configuration: Each channel should be configurable in $\frac{1}{4}$, $\frac{1}{2}$ and full bridge configuration

Excitation voltage: 0 to 1, 2, 5 & 10 V (or more)- with provision for changing the excitation voltage individually for each channel in the above ranges.

Gage resistance: compatible for use with 120 Ω , 350 Ω and 1000 Ω strain gages

Bridge calibration: Internal, for each channel

Bridge balance: Automatic-internal (individually for each channel and/or all together)

Gage factor: Selectable individually for each channel

Out put required: Analogue (± 10 V) out put for each channel and also digital display of each channel simultaneously

Selectable low pass filter desirable for each channel

System should operate on 240 V supply

Bandwidth: up to 50 kHz at full gain.

Strain ranges: at least three different ranges with 1 micro strain resolution in the lowest range

Sealed quotation should reach the undersigned before 5 PM on 12.11.2012

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