

DEPARTMENT OF ELECTRICAL ENGINEERING
INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY,
SHIBPUR, HOWRAH-711 103.

No. 17/2017/EE-3/21(KM)

Dated:13/11/2017

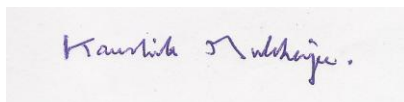
From : The Head of the Department,
Electrical Engineering,
IEST, Shibpur, Howrah-711 103

To :

Enlisted vendors of the institute and other interested parties.

Dear Sir(s),

Sealed quotations are invited for supply of the following item(s) within **16 days** from the date of publication of this advertisement in the website. The quotation should include the taxes as per rule, delivery charges, entry tax if any, etc. to Indian Institute of Engineering Science and Technology, Shibpur and should mention a firm delivery period. Preferences will be given to the suppliers who can supply ex-stock. **PRICES SHOULD BE QUOTED ON A PER-UNIT BASIS. QUANTITIES MENTIONED IN THE ENQUIRY TENDER ARE NOT FINAL AND MAY BE MODIFIED DEPENDING ON ACTUAL RATE QUOTED AND FUNDS AVAILABLE WITH US.**



Signature of the indenting Officer/
Concerned Faculty Member

Yours faithfully,



Prof. & Head of EE Dept.
IEST, Shibpur, Howrah – 711 103

1. Multi-range Hall effect based current transducer: 12 no.s

Technical Specifications:

Closed loop compensated Hall Effect based current measurement of AC, DC, pulsed currents with galvanic isolation.

Isolation voltage: 2kV or more at power frequency, impulse voltage 7 kV or more.

Isolation resistances greater than 1500 Mohm.

Current rating: 25A RMS nominal primary current, secondary nominal RMS current 25mA.

Bandwidth: DC to 150 kHz, response time less than 1 microsecond.

di/dt: Greater than 50A/microsecond

Accuracy: At 25 deg C should be around 0.5%.

Linearity error: Less than 0.2%.

Supply voltage: +/-15V
Approx. weight: 25 gms
Standard EN50178:1997 compliant

Warranty required: 5 years minimum
Delivery to be completed within 6 weeks maximum
Offer validity: 60 days

2. **Hall effect based voltage transducer:** 10 no.s

Technical Specifications:

Closed loop compensated Hall Effect based voltage measurement of AC, DC, pulsed voltages with galvanic isolation.

Isolation voltage: 2kV RMS or more at power frequency or more,

Suitable for upto 500V primary voltage measurement. Conversion ratio 2500:1000, primary nominal RMS current 10 mA

Response time @ 90% V_{pmax} = around 40 microsecond

Accuracy at 25 deg C should be within 1%, linearity error to be less than 0.2%

Supply voltage: +/-15V or +/-12V

Approx. weight: 25 gms

Ambient temperature up to 70 deg C

Standard EN50178 compliant

Warranty required: 5 years minimum
Delivery to be completed within 6 weeks maximum
Offer validity: 60 days