

SATYENDRA NATH BOSE NATIONAL CENTRE FOR BASIC SCIENCES

[An Autonomous Institute under the Department of Science & Technology, Government of India]

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Ref. SNB/ENQ/MP/Piezo Controller/15-16/443(WP)

1st July, 2015

Dear Sir,

Sealed quotation is hereby invited for the following item

SI. No.	PARTICULARS	Qty
01.	PIEZO CONTROLLER [See reverse for Technical Specification]	01 No.

Note:

- 1) If quotation is in Foreign Currency, CIF/CIP Kolkata Airport price should be quoted. In case of quotation is in INR, FOR price upto S.N. Bose National Centre for Basic Sciences need to be mentioned.
- 2) Validity of quotation should not be less than 90 days from the date of submission
- 3) Minimum One (1) year standard onsite replacement warranty is to be provided from the date of delivery/installation.
- 4) Our Payment term is subject to after delivery and satisfactory installation.
- 5) Delivery period should be mentioned in the quotation.
- 6) Our ref. no. should be mentioned on top of the quotation envelope.
- 7) Quotation for the above item should reach this office by 21ST July, 2015

Thanking you, Yours faithfully,

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S. K. Singh AR (Purchase)

TECHNICAL SPECIFICATION OF PIEZO CONTROLLER

External Input Voltage Range	0-10 V	
External Input Impedance	10 kΩ	
External Input Gain		
Voltage Limit Position 1 (75 V)	7.5 V/V ±5%	
Voltage Limit Position 2 (100 V)	10 V/V ±5%	
Voltage Limit Position 3 (150 V)	15 V/V ±5%	
Output Voltage Range (Switch Selecta	able)	
Voltage Limit Position 1 (75 V)	0-75 V	
Voltage Limit Position 2 (100 V)	0-100 V	
Voltage Limit Position 3 (150 V)	0-150 V	
Output Current (maximum)	60 mA	
Output Impedance	150 Ω , 0.047 μ F	
Minimum Load Impedance	2.5 kΩ	
Output Noise	1.5 mVrms(~9.9 mVpp)	
-3 dB Bandwidth		
No Load, Small Signal	10 kHz	
No Load, 150 Vpp	8.5 kHz	
1.6 μFPiezo, 150 Vpp	250 Hz	
Stability	<0.01% over 5 hrs	
A/D and D/A Performance		
D/A Resolution	16-bit / 2.75 mV	
A/D Resolution	16-bit / 3 mV	
Communications	RS-232	
General		
AC Input Voltage	115 or 230 VAC (Switch Selectable)	
AC Input Frequency	50-60 Hz	
AC Input Power (max)	85 VA / 30 VA	
Operating Temperature	10-40 °C	