

**Department of Optoelectronics, University of Kerala, Kariavattom,
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Quotation Notice

OPTO/P-10/2022-23

Quotations are invited for the purchase of the following items in the Department

Item 1: e/m Thomson's method

Power supply	:	High tension and low tension bias supply for CRT tube, Variable deflection voltage for x-shift and y-deflection beam, movements
Meter	:	Digital voltmeter for measuring deflection potential
CRT tube	:	Diameter: 60 mm Scale: x-axis and y-axis marked in mm with zero adjustment & position of deflecting plates marked
CRT/Compass stand		
Material	:	Should be of good quality material
Magnet guide bed	:	For equi-distance movement freely on either sides
Compass		
Size	:	100 mm diameter Mirror for reduced parallax error
Bar magnet pair		
Material	:	AlNiCo
Size	:	50 mm

Item 2: Four Probe Apparatus

Specifications:

Four probe kit

Voltmeter	:	0-200 mV
Resolution	:	0.1 mV
Ammeter	:	0-20 mA
Resolution	:	0.01 mA
Source	:	Built-in constant current source with variable output current setting
Internally connected voltmeter and current meters		
Rated Input	:	220 V/50 Hz or 110 V/60 Hz
Digital thermostat		
Resolution	:	0.1 °C
Max temperature	:	110 °C
Set temperature	:	with-in +1 °C

Four probe arrangement:

Crystal : Mounted on heating element (electrically insulated)
Sample : Germanium
Size : 10 mm x 5 mm x 1 mm
Pitch of each probe : 2 mm
Heater : 100 W

The price may clearly indicate applicable tax, packing, forwarding and handling charges etc separately. The firms who wish to supply the item are requested to submit the quotation in sealed cover to the undersigned not later than 4:30pm on 26.10.2022. Quotations will be opened at 10:30am on next working day (27.10.2022) in the presence of the suppliers or their authorized agents.

07.10.2022

Sd/-

Professor & Head