

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

OPTO/P-12/2023-24

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

Item: Cathode ray Oscilloscope- 30MHz

Features :

Inbuilt 6 Digit seven segment display frequency Counter
Dual channel, X Y mode
6" display cathode ray tube, sensitivity triggering up to 1mV/division
Polarity reversal, CH 1Sync output

Technical Specifications :

CRT : Rectangular screen
8 x 10 Div (1Div=1cm)

Vertical Deflection

Vertical Operation Mode : CH1, CH2, ADD, ALT, CHOP (CH1, CH2)
Sensitivity : 5mV/div to 5V/div +3%,
1mV/div to 1V/div +5% (x5), 10 steps

Rise time : <17.2ns

Input impedance : 1Mohm

Max. Input voltage : 250V (DC+AC peak value) at 1kHz, (250V, DC+AC)

Input coupling : AC, DC, GND

Display mode : 1, 10, X-Y

Horizontal Deflection

Sweep time : 0.2micros/div to 0.2s/div

Sweep expansion : x10

Accuracy : 3%

Trigger System

Triggering mode : Auto, NORM, TV-V, TV-H

Trigger source : VERT, CH1, LINE, EXT

Sensitivity auto : 20Hz~30MHz(VERT)

Frequency norm : 0.5div INT, 0.5Vp-p EXT

TV-H : At least 1div or 1Vp-p

Input impedance : 1M ohm

X-Y Phase Difference : <30, DC-50KHz

Calibration waveform : Frequency: 1kHz 20%, Voltage: 0.5V 1%

Standard Accessories

Power cable, Probe - 2Nos., Instruction manual

*Warranty for the item : One year

Scope of purchase

The rates quoted must be inclusive of all taxes, cost of supply at site including loading and unloading charges if any, installation charge and any other applicable charges etc.

*Warranty/Guarantee- The supplier shall guarantee to repair/replace the item or its part -if found defective within the warranty period. The entire expenditure for repair/ replaces the item in this regard shall be borne by the supplier.

The firms wish to supply the item are requested to submit the quotation in sealed cover super scripted with "reference....." to the undersigned not later than 3:00pm on 19.12.2023. Quotations will be opened at 11:00am on next working day (20.12.2023) in the presence of the suppliers or their authorized agents. If the above date of opening tender happens to be declare as a holiday due to any valid reason, the tender opening process will be done on the next working day or the day fixed by the undersigned.

08.12.2023



A handwritten signature in green ink, consisting of a series of loops and a long horizontal stroke extending to the right.

Professor & Head
Professor & Head
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