

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

OPTO/P-05/2022-23

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

1. Function generator- 5Nos

Attenuation	20dB-40dB
Amplitude	not less than 20vp-p (Empty Load)
Frequency Range (Hz)	0.1Hz-2MHz (FG-2002)
Measurement Range	1Hz-20MHz
Input Power	5V-0V±10%
Waveform	Sine wave, square wave, Triangle wave, Positive & Negative Sawtooth and Positive & Negative Pulse
Should be provide standard accessories	

2. Cathode ray Oscilloscope- 5Nos

Operating mode	Y 1, Y 2, ALT, CHOP, ADD, X-Y
Deflection Factor	(Y1 or Y2) 5 m V / div~20 V / div in 1-2-5 sequence, altogether 12 steps. Error <3% x5 Error < 5%
MAG Rate	x5 Error < 5%
Frequency Bandwidth	AC: 10 Hz~30 Hz-3 dB DC: 0~30 MHz-3 dB
Frequency Bandwidth by MAG	AC: 10 Hz-5 MHz-3 dB DC:0~5 MHz-3 dB
Rising time	<18nS, <70ns by MAG
Overshot	<5%
Damp	<5%
Coupling Mode	AC DC
Input Impedance	1±5% M Ω < 30 pF (direct) 10±5% M Ω < 23 pF (by probe)
Max Safe Voltage	400 V (DC ACp-p)
Slope Inverting	Y2 Only

The price may clearly indicate installation, 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 05.09.2022. Quotations will be opened at 10:30am on next working day (06.09.2022) in the presence of the suppliers or their authorized agents.

Sd/-

24.08.2022

Professor & Head