



**UNIVERSITY COLLEGE OF SCIENCE AND TECHNOLOGY
INSTITUTE OF RADIO PHYSICS & ELECTRONICS**

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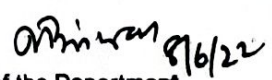
Fax : (+91)(33)2351-5828

NOTICE**Ref: EQ/HOD/AB/01/2022-2023****Date: June 08, 2022**

Quotations are invited from enlisted vendors of Calcutta University in a sealed envelope within 7 working days of this notice for the article noted below.

Mixed Signal Oscilloscope

Sl. No.	Parameter	Specifications	Qty
1.	Bandwidth	70MHz or More	1 No.
	No of Analog Channels	02 or more	
	No of Digital Channel	08 or more	
	Sample Rate	2 GSa/s half-channel interleaved, 1 GSa/s per channel	
	Rise time	<5ns or better	
	Max Memory Depth	1MPts (per Analog channel)	
	Maximum record length	500 kpts per channel (Digital Channels)	
	Display Size	8.5-inch WVGA display	
	Waveform Update rate	200,000 waveforms/ Sec or better	
	Input Sensitivity range	1 mV/div to 5 V/div	
	DC Vertical Offset accuracy	± 3% full scale (≥ 10 mV/div); ± 4% full scale (< 10 mV/div)	
	Time base range	2 ns/div to 50 s/div	
	Modes	Normal, peak detect, Averaging, High Resolution, Segmented	
	Trigger Modes	Normal, Auto, Single, Force	
	Trigger Types	Edge, Edge then Edge, Runt, Setup and hold, Rise/fall time, Nth edge burst, Pattern or Video	
	Trigger Coupling	HF reject, LF reject, DC, AC	
Automatic Measurement	Voltage: Peak-to-peak, maximum, minimum, amplitude, top, base, overshoot, pre-shoot, average- N cycles, average- full screen, DC RMS- N cycles, DC RMS- full screen, AC RMS- N cycles, AC RMS- full screen (standard deviation), ratio (RMS1/RMS2) Time: Period, frequency, counter, + width, - width, burst width, duty cycle, rise time, fall time, delay, phase, X at min Y, X at Max Y		


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	Count: Positive pulse count, negative pulse count, rising edge count, falling edge count Mixed: Area- N cycles, area- full screen
FFT	Windows: Hanning, flat top, rectangular; Blackman-Harris - up to 64 kpts resolution
Advanced Math	Add, subtract, multiply, divide, FFT, Ax + B, Square, Absolute, Common Log, Natural Log, Exponential, Base 10 Exponential, LP Filter, HP Filter, Magnify, Measurement Trend, Chart Logic Bus (Timing or State)
Search and Navigate	Should be available
Segmented Memory	Should be available
Integrated Hardware Counter	5 digit or more
Warranty	36 months
After Sales Service	OEM should have Service and NABL Accredited Calibration Lab in India. Documentary evidence required. Within the warranty period if the instrument does not function properly, the instrument will be collected, repaired and returned at site free of cost by the supplier.

The quotation should include delivery, installation, warranty charges and all applicable taxes.

All bids should be complete in all respects. The Vendor must provide documents for GST, PAN, Trade License, Bank Details etc.

The under signed reserves the right to reject any or all tenders without assigning any reason whatsoever.

Abhijit Biswas 8/6/22

(ABHIJIT BISWAS)
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