

DEPARTMENT OF ELECTRICAL ENGINEERING
INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY,
SHIBPUR, HOWRAH-711 103.

No. 15/2017/EE-3/21(KM)

Dated: 13/11/2017

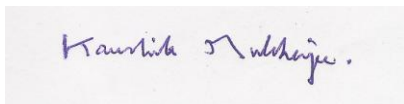
From : The Head of the Department,
Electrical Engineering,
IEST, Shibpur, Howrah-711 103

To :

Enlisted vendors of the institute and other interested parties.

Dear Sir(s),

Sealed quotations are invited for supply of the following item(s) within **16 days** from the date of publication of this advertisement in the website. The quotation should include the taxes as per rule, delivery charges, entry tax if any, etc. to Indian Institute of Engineering Science and Technology, Shibpur and should mention a firm delivery period. Preferences will be given to the suppliers who can supply ex-stock. **PRICES SHOULD BE QUOTED ON A PER-UNIT BASIS. QUANTITIES MENTIONED IN THE ENQUIRY TENDER ARE NOT FINAL AND MAY BE MODIFIED DEPENDING ON ACTUAL RATE QUOTED AND FUNDS AVAILABLE WITH US.**



Signature of the indenting Officer/
Concerned Faculty Member

Yours faithfully



Prof. & Head of EE Dept.
IEST, Shibpur, Howrah – 711 103

List of Items:

1. **30 MHz Analog Power Scope with Frequency Counter** – 6 no.s

Technical Specifications:

Two-in-one operation normal and differential mode
Differential inputs 1500V max.
Dual Channel, DC to 30 MHz
Time base 20ns-0.2s;
Triggering DC-50 MHz
Component Tester, 2 level calibrator
Overscan Indicator
Digital Frequency Readout

Operating Modes: Normal & Differential CH I, CH II, CH I & CH II, ALT, CHOP, ADD, DIFF, XY

Vertical Deflection:

Deflection coeff.: 5 mV/div - 20 V/div, Variable upto 2 mV/div

Accuracy: $\pm 2\%$

Bandwidth: 30 MHz (-3 dB)

Rise time: 11.6 ns (approx.)

Input coupling: DC-AC-GND

Differential Mode

Attenuation: 1:20, 1:200

Input Impedance: Normal: 1 M Ω || 25pF

Differential Mode: 4 M Ω || 1.2pF

Input Impedance: Normal: Max. 400V (DC + AC peak)

Differential Mode: Max. 1500V (DC + AC peak)

Horizontal Deflection:

Deflection Coefficients: same as CH II

Bandwidth DC: 3 MHz (-3 dB)

Input Impedance: 1 M Ω || 25 pF

X-Y Phase Shift: < 3 up to 100 kHz

Time base:

Time base Coefficients: 0.5 ms/div - 0.2 s/div

Accuracy: $\pm 3\%$

Hold-Off Time: Variable control 10:1

Sawtooth Output: 5 Vpp (approx.)

Digital Frequency Readout:

Range: 10 Hz to 40 MHz

Display: 5 digit, Seven Segment LED

Component Tester

Test Voltage: Max 8.5 Vrms (open)

Test Current: Max 8.5 mArms (shorted)

Test Frequency: 50 Hz (line freq.)

Continuity Tester Continuous beep when < 100 W

Warranty required: 2 years minimum

Delivery to be completed within 6 weeks maximum

Offer validity: 60 days