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Enquire No.: EE/SKM/003/2018

Kanpur 15/01/2018 Starting date: 20/01/2018 Ending Date: 16/02/2018

Sir/Madam,

Sub: 4 channel 500MHz Digital power scope with non-isolated outputs with revised technical specifications.

We are inviting quotation for two 4 channel digital phosphor power scope with nonisolated outputs. The scope will be used in a lab environment to carry out various power related experiments.

The scope should have following features:

- 4 channel output
- Non-Isolated outputs
- 500 MHz band width
- Sample Rate 5GS/s
- Record length 10 k points
- 9 bits of Vertical resolution with min scale of 1mV max scale of 10V/div
- Horizontal resolution being 1ns min to 10s/div max with time base accuracy of 50ppm
- Combined Digital-Real-Time sampling with sinx/x interpolation for accurate reconstruction of signals
- Sampling rate should be same when the additional channels are turned on to capture glitches
- Requires the acquisition mode of capturing glitches as small as 1ns in the peak detection
- Trigger modes of Auto, manual and single sequence and trigger types of Edge (rising and falling), video and pulse width trigger (selectable time limit ranging from 30ns to 50s),Runt, slew Rate, pattern, state, alternate etc



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- Waveform measurements should include Period, Frequency, +Width, –Width, Rise time, Fall time, +Duty cycle, –Duty cycle, +Overshoot, High, Low, Max, Min, Peak-to-peak, Amplitude, Mean, Cycle mean, RMS, Cycle RMS, Burst width, Delay, Phase, cycle area calculations.
- User definable thresholds for automatic measurements in percentage or voltage
- Mathematical operations on waveforms like arithmetic, FFT spectral magnitude, preferably with advance math option
- Preferred operating temperature range is 0 to 48 degrees and ability to operate at the altitude of up to 3,000m

We request to kindly send in your quotes and specs by 16/02/2018. Please send the technical and financial specifications in sealed envelopes separately. If you have already sent the quotation, you are advised to send the quotation again based on the revised technical features if it is required.

Thanks,

Santanu Mishra Department of Electrical Engineering Indian Institute of Technology Kanpur