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Enquire No.: EE/SKM/007/2018 (revised)

Kanpur
09/02/2018

Starting date: 16/02/2018
Ending Date: 22/04/2018

Sir/Madam,

Sub: Current probe with current Amplifier

We are inviting quotation for **two** Current probes with current Amplifier. The probe will be used in a lab environment to carry out various power related experiments.

The probe with amplifier should have following features:

- Bandwidth DC - 100MHz maximum
- DC accuracy +/- 3% of reading or even better
- Lowest measurable current of the probe 1mA or even lesser
- Maximum current ratings being DC -30A, AC (sine) - 21A_{rms} and peak – 50A
- Maximum current range being 10A/div
- Maximum wire voltage (insulated) 300V CAT II or higher
- Maximum ampere-second product 50A* μ s - 1A/V and 500A* μ s – 10A/V
approximately
- Signal delay to BNC connector less than 18ns
- RMS Noise be less than 280 μ A_{rms} (for 20MHz bandwidth limit)



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- Rise time be less than 4ns
- Operating Temperature 0 – 48deg C or higher
- Status indicators for notifications of error conditions like degauss, probe open, overload and non-compatible probe type
- Probe jaw size: 5mm max
- Applications where the probe will be used: Switching Power Supplies, power inverters/converters, Electronic Ballast circuits
- Low Insertion Impedance of less than 0.8Ω at 100MHz
- Compatible with existing Oscilloscope TPS 2024/TDS 3054C
- Equipment should comply with required EMC standards for electrical measurement, control and lab use
- 3rd party safety certificate is a desirable feature

We request to kindly send in your quotes and specs by **22/04/2018**. Please send the technical and financial specifications in sealed envelopes separately.

Thanks,

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