



Indian Institute of Technology Kanpur
Kanpur 208 016, India

Dr. Pratik Sen
Assistant Professor, Department of Chemistry
e-mail: psen@iitk.ac.in
Phone: +91-512-259-6312
Fax: +91-512-259-7436

Date: 22 August 2013

Enquiry No.: CHM/PS/2013-14/T-07

Last date: 02 September 2013

Sub.: Request for quotation for Autocorrelator

Dear Sir,

Please send a sealed quotation with all the technical details of the following item(s) by 5:00 pm, 02 September 2013 to the following address.

Dr. Pratik Sen
Department of Chemistry
IIT Kanpur
Kanpur 208016
UP, India

Email: psen@iitk.ac.in

Thanking you,

Sincerely,

Pratik Sen
(Pratik Sen)

Item: **Scanning Auto-correlator with below specification for measurement of 1 kHz Ti:S Femtosecond Amplifier pulses**

Specifications:

- Type: Interferometer based Autocorrelation
- Measurable Pulse Width: <20 fs...3.5 ps or better
- Scan Ranges: 150fs...15 ps
- Scan rate: 10 Hz
- Wavelength range : 700-1100 nm or better
- Linearity of position Signal: better than 1 % of actual scan range
- Sensitivity (with Photo detector): 1 W^2
- Input polarization: linear/horizontal
- Maximum input power: up to 10 μJ (rep. rates in the kHz regime)
- Laser repetition rate: < 10 kHz
- Power supply: 95 ... 240 V, 50 ... 60 Hz, 8 W
- Stand Alone Read-out: monochrome graphical display
- USB and RS-232 serial interface
- Input trigger: TTL $f < 10 \text{ kHz}$
- Required input optics and optomechanics should be provided with the system

Terms and Conditions:

1. Installation and demonstration at IIT Kanpur
2. Price should be quoted in USD in FOB basis
3. Warranty: 1 year or more