

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
National Aerosol Facility

Enquiry letter for purchase of NOx Analyzer

Subject: Quotation for supply of NOx Analyzer

Reference: IITK/NAF/2022-23/13

Dated 5.01.2023

Sir / Madam,

With reference to the subject mentioned above, you are invited to submit the sealed quotation for NOx Analyzer.

Specifications

1. Present ranges: 0-0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50 and 100 ppm; 0-0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100 and 150 mg/m³
2. Custom ranges: 0-0.05 to 100 ppm; 0-0.1 to 150 mg/m³
3. Zero noise: 0.20 ppb RMS (60 second averaging time)
4. Lower detectable limit: 0.40 ppb (60 second averaging time)
5. Zero drift (24 hour): < 0.40 ppb
6. Span drift (24 hour): +/- 1% full scale (24 hour)
7. Response time: 40 seconds (10 second average time), 80 seconds (60 second average time), 300 seconds (300 second average time)
8. Precision: +/- 0.4 ppb (500 ppb range)
9. Sample flow rate: 0.6 liters/min.
10. Operating temperature: 59°-95°F (15°- 35°C), safely operated 32°-113°F (0°-45°C)
11. Power requirements: 100 VAC, 115 VAC, 220-240 VAC +/-10% @ 300W
12. Size and weight: 16.75" (W) x 8.62" (H) x 23" (D), 55 lbs. (25 kg)
13. Outputs: Selectable voltage, RS232/RS485, TCP/IP, 10 status relays, and power fail indication (standard). 0-20 or 4-20 mA isolated current output (optional)
14. Inputs: 16 Digital Inputs (standard), 8 0-10 Vdc Analog Inputs (optional)

15. Approvals and certifications: U.S. EPA Reference Method: RFNA-1289-074; M
Certs Certified: MC070093/00; EN14211: 936/21203248/C Report; NF Certificate:
05/01; UKCA

16. Part Number: IEA72SER-42I

17. Part Description: NOx Analyser Model: 42i-BZMSDAA

Kindly submit quotation at your earliest. Make sure that the quotation should valid up to 90 days. Please also send proprietary certificate.

Sealed quotation duly signed must reach to Dr. S.N. Tripathi, Professor, Department of Civil Engineering, IIT Kanpur till 16.01.2023 (**extended upto January 23, 2023**) before 5.00 PM. Please quote prices in INR.

The quotation should have the following details:

1. Educational discount for research and teaching
2. Payment terms and conditions
3. Proprietary Certificate
4. Any other relevant details

Terms and condition:-

1. Prices should be in INR.
2. Advance payment upto 100% against bank guarantee.

Dr. Sachchida Nand Tripathi
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