

# UNIPHOS ONLINE AMMONIACAL NITROGEN ANALYZER



## Features

- Simple in operation
- No sample pre-treatment
- Only two Reagents with very less consumption per analysis
- A fully automated system with a industry accredited Program Logic controller ( PLC ) and Human Machine Interface (HMI)
- Built in diagnostic features for reagent level alarm and the component malfunctions
- Data communication compatible with required SPCB/CPCB norms



## Applications

- Measurement of Ammoniacal Nitrogen in process and surface waters
- Industrial influent/Effluent
- Field / laboratory

Nitrogen compounds are of concern to industries and waste water treatment operators discharging effluent into surface waters. The presence of Nitrogen in the form of Ammonium/Ammonia is termed as Ammoniacal Nitrogen in the influent/sample.

In the Analyzer, the measurement involves, reaction of the aqueous sample and the alkaline reagent used generates ammonia gas in the solution, this gas is purged out by air (free of ammonia) and carried over to the electrochemical sensor specific to ammonia. The gas that diffuses in to the sensor undergoes an electrochemical reaction, which results in the electrical output of the sensor, proportional to the gas concentration in ppm.



Certificate No. IND86004/R1

*Due to continuing development we reserve the right to change specifications without prior notice.*

Manufactured By:

**Uniphos Envirotronic Pvt. Ltd**

P.O. Nahuli - 396 108

Tal. Umbergaon,

Dist:Valsad, Gujarat, India

Tel. : +91(260) 2730156 / 57 / 58

Fax : +91(260) 2730160

Marketing Office:

**Uniphos Envirotronic Pvt. Ltd**

Readymoney Terrace, 167,

Dr. Annie Besant Road, Worli,

Mumbai 400 018, India.

Tel. : +91(22) 6123 3500

Fax : +91(22) 2493 8826

+91 (22) 2497 8119

[gasdetection@uniphos.com](mailto:gasdetection@uniphos.com)

[www.uniphos-she.com](http://www.uniphos-she.com)

S P E C I F I C A T I O N S	Measurement Principle	Electrochemical sensing
	Measurement Range	10 - 500 ppm
	Measurement accuracy	± 10 ppm, 10 – 100 ppm ± 10 % of reading for > 100 - 500 ppm
	Calibration	Single point calibration
	Sample introduction	Automatic
	Sampling interval	User programmable
	Analysis time	15 minutes
	Display	TFT LCD Touch Panel
	Reagents required	NaOH, H <sub>2</sub> SO <sub>4</sub> , distilled water.
	Power requirement	230 V AC/ 60 Hz
Data communication	RS 485 & 4-20 mA	
Instrument dimensions (H*L*B)	1200 x 400 x 600 (in mm)	
Instrument weight	65 kgs	