



ONLINE ANALYZER



- WATER ANALYZER
- AIR ANALYZER
- SOX NOX
- CEMS
- PH METER
- TDS METER

UPC Instruments Pvt. Ltd.

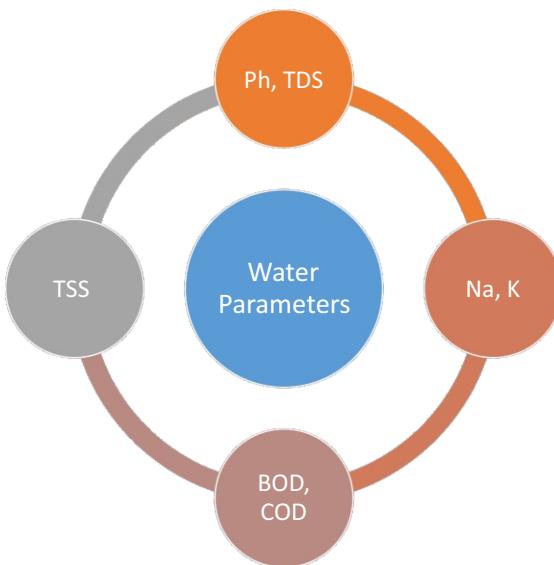
An ISO 9001:2015, 14001-2015 CE & TÜV SÜD Certified Company



- 2 Million people die each year from breathing tiny particles and pollutants present in air.
- PM 10, PM 2.5 and PM 1 can penetrate lungs and bloodstream causing heart disease, lung cancer, asthma etc.
- We provide Continuous Emission Monitoring Systems (CEMS) for PM level monitoring in stacks.
- We also undertake storage of stack data through our data loggers and upload data on servers as per CPCB and SPCB guidelines.

WATER ANALYZER

Make - "UPC"
Model No- "UPC-WA-202"



ONLINE WATER ANALYZER



Features:

- Auto zero done on cleaning solution
- Allows very high level of suspended solid without clogging for all the optional measurements making it suitable for industrial & municipal waste water application
- External probes can be added for physiochemical parameters like pH, ORP, dissolved oxygen, conductivity and turbidity.
- Certifications CE, TUV SUD.

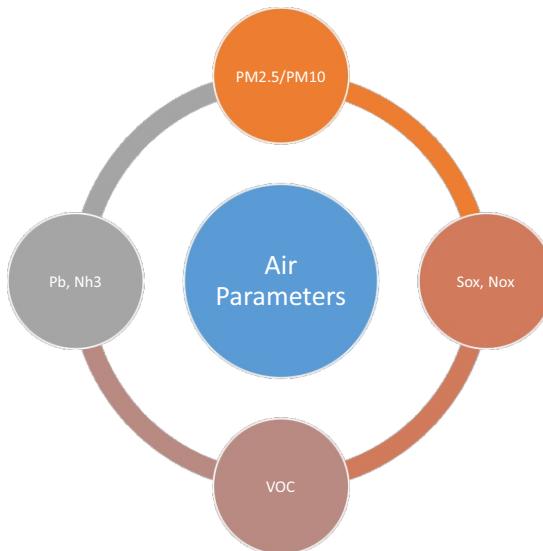
About :

Mainly based on UV spectroscopy, well known for its stability and low operating cost, UPC-WA-202 can measure parameters like organic matter, nitrate, color, aromatics hydrocarbons (PAH). Its automatic cleaning system and its extremely long life time lamp, the maintenance is roughly limited to the periodic refill of the inexpensive cleaning solution. A new web-based interface allows the control and the troubleshooting from internet on laptop, tablet or iPhone.

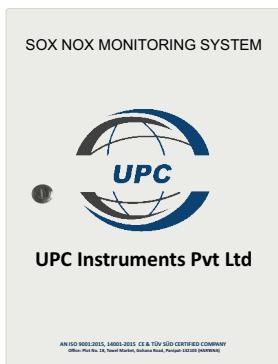
S.NO	TYPE	DETAILS
1	Model	UPC-WA-202
2	Technology	UV Visible Spectroscopy
3	Parameters & Range	Refer datasheet
4	Sample Flow	Recommended: 0-5 l/min
5	Application	Pharmaceutical, Chemicals, Petrochemicals, Refineries, Industries STP, ETP etc.

AIR QUALITY MEASURING

Make - "UPC"
Model No- "SNX-206"



SOX NOX MONITORING SYSTEM



Features:

- Sensor based system for various parameters.
- Gas concentration unit available for %LEL, PPM, %VOL, mg/m3.
- CPCB/Cloud Connectivity.
- Solar power based.
- Certifications CE, TUV SUD.

About :

The flue gas analyzer developed based on the ultraviolet spectroscopic absorption spectroscopy technology is a flue gas analyzer product independently researched and developed by our company for online gas analysis at home and abroad. The analyzer can measure the concentration of SO₂, NO_x and other gases, and has the characteristics of high measurement accuracy, high reliability, fast response time and wide application range.

Types	Details
Model	SNX-206
Technology	UV absorption Spectroscopy
Range	SO ₂ 0-1000/2000ppm (range can be customized) NO 0—1000/2000ppm (range can be customized) CO ₂ 0-20% CO 0-500ppm
Response Time(T ₉₀)	<10s (instrument response time, non-system response time)
Application	Stack / Flue Gas



Alarms For
Low & High



Specific Sensors



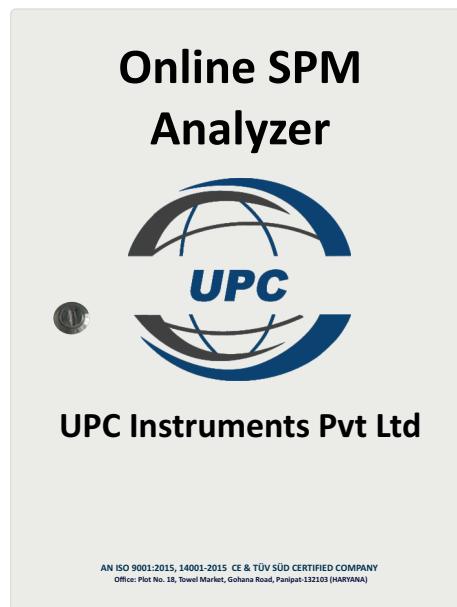
Automatic
Operation



Low Cost Of
Maintenance

AIR QUALITY MEASURING

ONLINE SPM ANALYZER



Make - "UPC"
Model No- "SPM-205"

Features:

- On-line Continuous monitoring of SPM for various emission sources.
- Combined techniques adopt the stabilisation Dynamic adapting phase-lock amplification
- Very low zero drift, long inter calibration Duration.
- Cloud server connectivity modem

About :

The "UPC" Online SPM Analyzer is a Measuring device for dust at low to high concentrations. Basic measuring value is transmittance. Opacity and extinction can be calculated and displayed as well as the dust concentration and gravimetric calibration. The device has an integrated contamination check.

Types	Details
Measurement principles	Double pass opacity
Measuring ranges:	0 to 1000 mg/nm ³
Process temperature:	-40°C to +600°C
Performance tested measured	Dust concentration
Electrical safety:	CE
Operating Humidity	100
Gas Temperature	+600

AIR QUALITY MEASURING

ONLINE CONTINUOUS EMISSION MONITORING SYSTEM

**Make - "UPC"
Model No- "CEMS-207"**

Features:

- Data uploading time 1 min o 30 min.
- Online Remote calibration (optional).
- Online calibration of ases.
- Built in Cloud Connector for Online Data Transfer.
- Sampling time ariable From 1 Sec To 999 Sec.
- Online Fault Diagnostic eature.
- Password Protection or User & Pollution Board.



About :

NDIR based CEMS are rugged and reliable system for measuring concentration of various gases from stacks. Non-Dispersive Infra-Red technique is highly Specific as it chooses gas specific infrared adsorption wave Length of the target gas by cutting off all other wave lengths. This technique is cost effective and reliable for measurement of gas concentration in parts per million ange.

The analyzer comes with sample conditioning system in corporating with filters/scrubbers for zero air generation etc. With a purge system, the instrument can be programmed to periodically purge the sampling probe at required intervals. An inhibit pump brings the sample from stack to analyzer. the analyzer also provides Auto Remote calibration facility when connected to standard gas cylinder through a calibrator. It also provides all required annunciations and data communications protocol to make the analyzer fail safe and user friendly.

GROUND WATER LEVEL RECORDER (PEIZO METER)

Make - "UPC"
Model No- "UPC-GWL-20"



Features:

- Heavy industrial CE approved factory calibrated pressure sensor.
- 10 V/m EMI protection according to Health and Safety Executive.
- Accurate output with corrosion proof housing for sensors.
- Reverse polarity protection on input.
- Micro controller based design.
- Inbuilt data logger for continuous storage of data.
- User programmable intervals for data storage and data stored in easy excel format.
- Wide Temperature Range

S.NO	TYPE	DETAILS
1	Accuracy	0.25 % F.S
2	Current consumption	5mA
3	Wetted Material	17-4PH or 316L Stainless Steel Port, 316L Stainless Steel Snubber
4	Vibration	±20g, MIL-STD-810C
5	Dielectric strength	2mA @500VAC, 1min
6	Display	16×2 LCD display
7	Enclosure	IP65
8	Data Output	Microsoft Excel format
9	Clock	Real-time internal clock

DIGITAL PH INDICATOR

Make - "UPC"
Model No- "UPC-PHM-203"



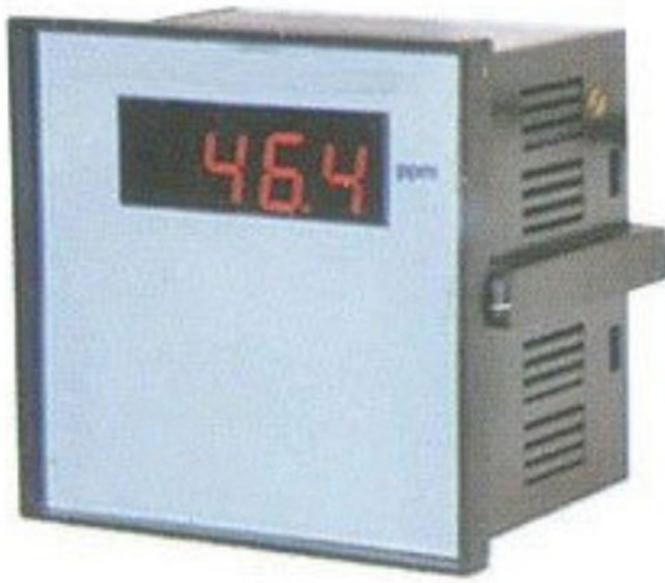
Features:

- Extremely Simple & Easy To Install & Maintain.
- Two Point Calibration System.
- Over Range Indication.
- Automatic emperaeration Compensation.
- Red LED Display With Vast Visibility.
- OEM Facility For Customization.

Type	Details
• Display	3 1/2 Digit LED
• Resolution	0.01 ph
• Power Supply	Mains Operated 230 V (+/-) 10% 50 H.z AC
• Accuracy	+ 0.02 pH (Relati e)
• Calibration	Two point calibration (manual)

DIGITAL TDS INDICATOR

Make - "UPC"
Model No- "UPC-TDM-204"



Features:

- Mounting : Panel Mounting
- Position : Panel
- Enclosure : 96(W)X96(L)X53(D)mm.
- Cut out : 92(L)mmX92(W)mm
- Terminal : Screw On Terminals

Type	Details
• Range	3 1/2 Digit LED
• Resolution	0.01 ph
• Temperature Compensation	0 to 100 Degree C (Automatic)
• Accuracy	+ 1 ppm (Relative)
• Probe	PVC/GLASS/SS
• Temp. Sensor	Pt-100

RADAR SENSOR

**Make - "UPC"
Model No- "RDS-208"**

Features:

- live flow monitoring
- Pole, wall or bridge mounting
- Data recording for 5 years, Long life and maintenance support
- Operation in all weather conditions
- Robust Interference, EMI and noise suppression
- Long range level sensing operation of up to 50m
- Compact, low-power design
- Recharging via solar panels



About -

The radar sensor is a measurement device for the contact-free determination of the flow velocity and depth of open rivers and channels. The sensor detects the surface flow velocity by the principle of the Doppler frequency shift. Due to the contact-free measurement method the device can be installed on extension arms without costly structural measures in the channel or river. This also has the advantage that the sensor is located outside the danger area of flood events and that it requires little maintenance over many years.

General Technical Details -

- Dimensions-260X180X75 mm(lens housing for measuring flow),75X115X55 mm(housing for depth measurement)
- Total weight-1.553 kg (velocity sensor),155 grams (depth sensor)
- Protection class- IP 67
- Power supply -12 V DC
- Power consumption - 12V standby approx. 10 μ A; active operation approx. 100mA
- Operating temperature -35 ... 60°C

VELOCITY MEASUREMENT -

- Measurement range -0.04 ... 5 m/s (depending on flow conditions)
- Accuracy +/- 0.02 m/s
- Resolution -20 mm/s
- Direction recognition- Single
- Measurement duration single measurement- 160 sec.
- Measurement interval -5 mins
- Radar frequency 24 GHz (K-Band)
- Radar opening angle 12°
- Distance to water surface 0.50 ...20 m
- Necessary minimum swell 3 mm

SURVEILLANCE SYSTEM



CP PLUS

Main Features

- 1/2.8" 2MP CMOS Image sensor
- Max. 25/30fps@1080P
- Powerful 25x Optical and 16x Digital zoom
- WDR(120dB), 3D-DNR, Day/Night (ICR), ROI, Defog, AWB, BLC, HLC
- Support Starlight Function
- Up to 300 presets, auto scan, 8 tour, 5 pattern, auto pan
- IR Range of 100 Mtr.
- Max 240° /s pan speed, 360° endless pan rotation
- Built-in 2/1 alarm in/out, IP66, Support PoE+
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro



Services:

- Installation
- Calibration
- Connectivity to CPCB/SPCB



Contact us

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