

**DIGITAL WATER LEVEL RECORDER (PIEZOMETER)**

Digital Water Level Recorder Provides Highly Accurate Water Level Measurement For A Wide Variety Of Applications, Including Those In Harsh Environments. The Submersible Pressure Transducers Have A Dynamic Pressure Compensation System, Enabling High Accuracy Measurements Over A Wide Measuring Range. The Water Level Sensor Is Adapted To All Data Logger, Telemetry, Monitoring Equipment, And Lcd/led Displays, Each Of The Stainless Steel Water Level Sensors Consist Of A Solid State Submersible Pressure Transducer Encapsulated In Stainless Steel 2-10 Inch Length Housing. The Water Level Sensor Has A Molded-on Waterproof Cable And A Two-wire 4-20 Ma High Level Output For Connection To A Monitoring Device.



**BACK SCATTERED DUST MONITOR / SPM MONITOR**

Back Scattered Dust Monitor For Ideal Monitoring Opacity And Smoke Levels In The Exhaust Gas Of Industrial Combustion On Air Filtration Processes It Is A Self-developed Online Dust Monitoring Device, Which Usage The Mainstream Technology Of Laser Backscatter Measurement With Imported Core Components.



**AMBIENT AIR QUALITY MONITORS**



Air Quality Monitors Are Tools For Air Quality Professionals And Enthusiasts Alike To Gather Real Time Information On The Surrounding Air The Are A Flexible Air Quality Monitoring Solution That Can Be Configured With 30+ Different Gases(depend On Requirement) Sensors And Particles Sensors For A Range Of Uses From Environment Monitoring To Industrial Application.

**TRIBO - ELECTRIC SPM**



The principle of tribo-electric dust measurement is that whenever a dust particle hits an electrically loaded metal stick, which has been placed across a flue gas duct, the charge of the metal stick is changed. The more dust particles hitting the stick per time unit, the more it influences the metal stick.

The changes in the charging of the metal stick are an expression of the dust concentration of the process. As the dust particles do not have a well-defined density and as their own charging is different from process to process, the tribo-electric dust meters must be calibrated by an accredited test laboratory to relate the relative measurement into mg/m3.

**COMBO SAMPLER**

We have developed its new and advance Multi parameter air samples. With the feature of simultaneous sampling of PM 10, PM 2.5, and four different water soluble gases. We uses USEPA designed PM 2.5 Impactor with dual stage Imp actor PM 10 is sampled through EN12341 low flow impactor. Four different independently controlled gases can be sampled in glass impinge in a gaseous sampling attachment through wet chemical method. All the parameters are sampled at a time with each technology approved from international bodies for environmental sampling like European union, CPCB and USEPA.



**OPTICAL DUST MEASUREMENT**

The scattered light meters are delivered with the sender and receiver units gathered in one unit Light is sent into the process by a well-defined angle in relation to the flow direction. The sender/receiver unit is also installed in a well-defined angle in relation to the flow direction. The light that the dust particles in the process reflect back onto the receiver unit is an expression of the dust concentration in the process. Optical dust measurement is a relative and not an absolute measurement because the dust particles do not have a well-defined density and because the reflecting/absorbing qualities will vary depending on the application.



**ONLINE WATER ANALYZER**



Online Water Analyzer based on UV absorption, which has found increasingly wide application in process industries The UV source is a Xenon flash lamp specified for 109 flashes that corresponds to more than years of life time with one measurement every minute. Physic-chemical measurements like pH, ORP, dissolved oxygen; conductivity can be added to the internal measurements by using external probes. The dissolved oxygen probe is based on fluorescence method for a lower maintenance and higher stability.



**WATER FLOW METER**

Electromagnetic Flow meters are based on Faraday's Law of Electromagnetic Induction. In an Electromagnetic Flow meter, the magnetic field is generated by a set of coils. As the conductive liquid passes through the electromagnetic field, an electric voltage is induced in the liquid, which is directly proportional to its velocity. Electromagnetic Flow Meter Size:- inch or mm PTFE Lining Power 230VAC/24VDC Working on telemetric.

**WEATHER STATIONS**

KDES-WMS-01 Weather Stations are highly sophisticated monitoring & logging of intrinsic weather conditions like temperature, barometric pressure, wind speed, wind direction and other optional parameters according to your requirements. Application areas include agriculture, hydrology, ecology and meteorology. For any sort of customized application, Quick Engineering Solutions Pvt. Ltd. can give assistance to select the best blend of sensors, data logger and accessories accordingly.



**SMART IOT BOX**

the internet of things (iot) describes physical objects (or groups of such objects) with sensors processing ability, software and other technologies that connect and exchange data with other devices and systems over the internet or other communications networks. internet of things has been considered a misnomer because devices do not need to be connected to the public internet, they only need to be connected to a network and be individually addressable. automation technology is rapidly advancing. while the growing demands of utility owners for more cost effective control systems must be met. new communication techniques, devices, and standard protocol interfaces, combined with the immense computing power of today's hardware components, open the way to new concepts in the automation industry. smart iot box was built to meet the require







## KDES Wide Range Of Products

All Metrological System/Weather station	Ground Water level recorder	Indoor Air Quality Monitors	Ambient Air Quality monitor
Handheld IAQ Monitor	Online TOC/BOD/ COD/TSS Analyzer	Online Gas Monitors	Soil Testing Instrument/Monitors
Tvoc Detector/Analyzer	Continuous Emission Monitoring System	Magnetic Flow meter	Noise Dosimeters
PM Analyzers	Online pH Analyzer/meter	Stack Monitoring system (SPM)	Radar Base Piezometer
Online Biogas Analyzer	Multiparameter Benchtop Meter	Radiation Meters	FPS/RDS/Combo Sampler
Ultrasonic peizometer	Flue Gas Analyzers	All type Data Logger	Sound Level Meter
Rain Guage	Water level Indicator/ Sounder	Online Camera Installation (ETP)	Ultrasonic Flow Meter

### Work of scope

- ❖ All type of Environmental monitoring Instruments
- ❖ All type of laboratories apparatus and instruments
- ❖ Lab setup
- ❖ Services and Instrumentation Calibrations

## Some Of Our Major Client



## K D ENGINEERING SOLUTIONS

“ THE NEED OF FUTURE ”



### About Us:

**K D Engineering Solutions** is the manufacturer and supplier of broad range high performance monitoring equipment that include Online continuous emission monitoring system, Online water analyzer, Ground water level recorder, weather monitoring station for Acceleration and Environmental Chambers. Using our customized monitoring solutions at the design and monitoring phase, customers are able to simulate real life environments to monitor and validate the quality and reliability of their products. **K D Engineering Solutions** has always been acknowledged for its excellence. K D Engineering Solutions has progressed to become a pioneer in delivering comprehensive monitoring capabilities with accuracy and reliability. We strive to achieve excellence in all our operations. Our monitoring systems have critical applications in important industries such as defiance, aerospace, automotive, education, telecommunication and electronics industries etc



We have a single mission:  
to protect and hand  
on the planet to  
the next generation.

**Manufactures  
Of Hydrological and Metrological Instruments**

Address:- Prop. No.D-6, Second Floor, C-Block,  
Amar Farm, Amar Colony, East Gokalpur, Delhi-110094.  
e-mail: kdes2017@gmail.com | www.kdes.in  
Contact: +91 9555498906 | + 91 9717798906