



■ WATER ■ ENVIRONMENT ■ ENERGY

SMART INSTRUMENTATION & AUTOMATION



Conserve Energy | Save Water | Protect Environment

VEXL Environ Projects Pvt. Ltd., take this opportunity to introduce our division, VEXL Instrumentation, to **Supply and Support** by offering **QUALITY PROCESS CONTROL INSTRUMENTS** to the Indian Market. We thank our customers for the patronage they have been giving us, in the business of executing turnkey projects in the field of Water & Wastewater Management for more than 10 years. With the intention of providing total instrumentation solution along with **IOT (Internet of Things)** and **AI (Artificial Intelligence)**, we have chosen proven technologies for the instruments offered.

We are pleased to offer following range of instruments with varying specifications for specific applications.

VEXL INSTRUMENTS

LEVEL

- Ultrasonic Level Transmitters
- Radar Level Transmitters

FLOW

- Electro-Magnetic Flow Meters
- Ultrasonic Flow Meters

WATER QUALITY ANALYSER

MULTI LAYERED LIQUID LEVEL ANALYSER

PRESSURE GAUGE & PRESSURE TRANSMITTERS

We have a team of experienced engineers who are committed to provide you the right solution at economical price. Our motto is "CORRECT INSTRUMENT FOR SPECIFIC APPLICATION".



Level Measurement
(Ultrasonic/Radar)



Flow Measurement
(EMF/Ultrasonic)



Water Quality
Monitoring



Multi Layered Liquid
Level Analyser



Pressure Gauge & Pressure
Transmitters



Piezometer

■ ULTRASONIC TRANSMITTER

■ MODEL NO. VI-ULT 4/8

Ultrasonic pulse travels from sensor to the top of liquid and reflected pulse is received. Time of flight of transmitted and reflected pulse is converted to distance. Ultrasonic pulse needs a medium for travelling.



SPECIFICATION

Application	Level measurement of clear liquids in storage tank
Maximum Range	4mtr. / 8mtr.
Type	Two wire
Mounting	Top
Process Connection	1 ½" BSP / 2" BSP
Sensor Material	PP / PVDF

Housing Material	Cast Aluminum PU painted
Process Temp.	-10 to 60 °C
Process Pressure	Atmospheric
Operating Frequency	60KHz / 45KHz
Output	4-20mA, 2 wire
Accuracy	0.2% of FS
Display	Numeric & Graphical
Dead Band	250mm/350mm

SPECIFICATION

Application	Level measurement of clear liquids in large storage tank
Maximum Range	10mtr. / 15mtr.
Type	Four wire
Power supply	110/230 V AC
Mounting	Top
Process Connection	Flanged
Sensor Material	Nylon 6
Housing Material	Cast Al. PU painted

Process Temp.	-10 to 60 °C
Process Pr.	Atmospheric
Operating Freq.	33 KHz
Output	4-20mA, 2 wire
Accuracy	0.25% of FS
Display	Numeric & Graphical
Dead Band	600mm

■ ULTRASONIC TRANSMITTER

■ MODEL NO. VI-ULT 10/15

Ultrasonic pulse travels from sensor to the top of liquid and reflected pulse is received. Time of flight of transmitted and reflected pulse is converted to distance. Ultrasonic pulse needs a medium for travelling.



■ RADAR TRANSMITTER

■ MODEL NO. VI-RTL-RA-C 51

Microwave Signals are generated and transmitted via an antenna. These signals travel through the antenna propagating the signals into the atmosphere. The signals then travel to the target and are reflected back. Time of flight of transmitted and reflected signal is converted to distance.



SPECIFICATION

Application	Corrosive media liquids with moderate fuming and foaming conditions
Maximum Range	30m
Accuracy	+/-10 mm
Process Connection	1 ½" BSP
Antenna Material	PP / PTFE

Process Temp.	-40 to 120°C
Process Pressure	< 3Kg/cm ²
Operating Frequency	6 GHz
Output	4-20mA, 2Wire (HART-Optional)
Display	Numeric & Graphical
Dead Band	400 mm

SPECIFICATION

Application	Liquids like Oil, fatty acids, mild corrosive liquids under high temperature /pressure
Maximum Range	30 Meters
Accuracy	+/-3 mm
Process Connection	1 1/2" BSP
Antenna Material	SS 316 / PTFE

Process Temp.	-40 to 120 C
Process Pressure	< 40Kg/cm2
Operating Frequency	26 GHz
Output	4-20mA, 2 wire
Display	Numeric & Graphical
Dead Band	400 mm

■ RADAR TRANSMITTER

■ MODEL NO. VI-RTL HA-K 56

Microwave Signals are generated and transmitted via an antenna. These signals travel through the antenna propagating the signals into the atmosphere. The signals then travel to the target and are reflected back. Time of flight of transmitted and reflected signal is converted to distance.



■ RADAR TRANSMITTER

■ MODEL NO. VI-RTS HA-K 57

Microwave Signals are generated and transmitted via an antenna. These signals travel through the antenna propagating the signals into the atmosphere. The signals then travel to the target and are reflected back. Time of flight of transmitted and reflected signal is converted to distance.



SPECIFICATION

Application	Storage tanks / Process vessels under high temperature / pressure
Maximum Range	20 Meters
Accuracy	+/- 3 mm
Process Connection	Flanged SS 316
Antenna Material	PTFE

Process Temp.	-40 to 150 C
Process Pressure	< 16 Kg/cm2
Operating Frequency	26 GHz
Output	4-20mA, 2 wire
Display	Numeric & Graphical
Dead Band	Nil

SPECIFICATION

Application	Solid level measurement like Coal, fly ash, cement, clinker in dusty media
Maximum Range	70 Meters
Accuracy	+/- 15 mm
Process Connection	Flanged SS 316 / PTFE
Antenna Material	SS 316 / PTFE

Process Temp.	-40 to 200 C
Process Pressure	< 16Kg/cm2
Operating Frequency	26 GHz
Output	4-20mA, 2 wire
Display	Numeric & Graphical
Dead Band	400 mm

■ RADAR TRANSMITTER

■ MODEL NO. VI-RTS HA-K 58

Microwave Signals are generated and transmitted via an antenna. Time of flight of transmitted and reflected signal is converted to distance.



Additional Features:

- Aiming Device
- Air purging
- Dual Chamber IP 67

■ RADAR TRANSMITTER

■ MODEL NO. VI-RTS-PA-K 59

Microwave Signals are generated and transmitted via an antenna. Time of flight of transmitted and reflected signal is converted to distance.



Additional Features:

- Aiming Device
- Air purging
- Dual Chamber IP 67

SPECIFICATION

Application	Solid level measurement for dielectric material in large storage tank but small diameter
Maximum Range	70 Meters
Accuracy	+/-15 mm
Process Connection	Flanged SS 316/PTFE
Antenna Material	SS 316 / PTFE

Process Temp.	-40 to 200 C
Process Pressure	< 16Kg/cm2
Operating Frequency	26 GHz
Output	4-20mA, 2 wire
Display	Numeric & Graphical
Dead Band	400 mm

■ RADAR LEVEL TRANSMITTER 120GHz-130GHz FMCW

■ MODEL NO. VI-RLG-HA 9127

FEATURES

Principle	Frequency Modulated Continuous Wave
Range	0.1~50/100/150M
Resolution	0.008mm
Accuracy	<±0.7mm
Beam Angle	0.7° (with Antenna Radome)
Antenna	Lens, PTFE/PEEK/PE,
Communication	HART/MODBUS/ PROFIBUS
Signal Output	4-20 mA or RS485
Process Temperature	-60~200°C -60~1000°C (high temperature)
Power Supply	4 wire, DC 9~42V DC AC 110~250V

The 120GHz Radar gauge with 10GHz sweep bandwidth uses Fast Fourier transform calculation to measure level. It uses diffraction wave separation technique and spectrum refinement algorithm to achieve a measurement accuracy of 0.217mm (Theoretical value). It takes just 80ms to finish a measurement and calculation of 100M range.



ELECTRO-MAGNETIC FLOWMETER

MODEL NO. VI-EMF-FE 1001



Electro-magnetic flowmeter consists of sensor through which the measured liquid flows. The electronic convertor amplifies the low level signal from sensor. The output signal is proportional to the volume flow rate of measured liquid. The EMF can be used where the measured liquid is conductive and non-magnetic.

FEATURES

·Meter size: 25 -2000mm
·Flanged or Wafer type
·Empty pipe detection
·Two line LCD display, 16 characters per line or graphical display
·Various lining material
·Various sensor material
·GSM/GPRS connectivity
·In-built data logger
·Bi-directional flow measurement
·Earthing ring in SS 304 / SS 316

FEATURES

·Meter size: 25 -600mm
Flanged
·Empty pipe detection
·Two line LCD display, 16 characters per line or graphical display
·Various lining material
·Various sensor material
·Bi-directional flow measurement
·Earthing ring in SS 304 / SS 316

BATTERY OPERATED ELECTRO-MAGNETIC FLOWMETER

MODEL NO. VI-EMF-BO 1000

Electro-magnetic flowmeter consists of sensor through which the measured liquid flows. The electronic convertor amplifies the low level signal from sensor. The output signal is proportional to the volume flow rate of measured liquid. The EMF can be used where the measured liquid is conductive and non-magnetic.



SPECIFICATION

·Bore size: 100 -2200mm
·Integral or Remote Convertor
·Empty pipe detection
·LCD display
·Integral grounding electrode
·Sensing electrode material: ABS / Polypropylene
·Connection type: Flanged or Threaded

INSERTION TYPE ELECTROMAGNETIC FLOWMETER

MODEL NO. VI-EMF-IT 1003

Insertion type Electro-magnetic flowmeter works on the basis of Faraday's law of electromagnetic induction. The electronic convertor amplifies the low strength signal from sensor. This can be installed without removing the pipe line out of service. The output signal is proportional to the volume flow rate of measured liquid.



FEATURES

Principle	Transit-time
Accuracy	±1%
Display	4 x 16 characters back - lit
Interface	RS 232C
Data Storage	Built-in 32MB logger
Pipe material	CS/SS/CI/GI/ MS
Measuring Range	DN 50 – 6000mm
Liquid	Water, Sewage etc.
Flow velocity	0 - ±7m/s
Power Supply	Built-in rechargeable Ni-MH batteries

Uses transit time differential to measure flow rate of liquids in closed pipes. The technique uses a pair of transducers with each transducer sending and receiving ultrasonic signals through the flowing liquid. When the fluid is flowing, signal transit time in the downstream direction is shorter than in the upstream direction, this difference is proportional to flow.

■ ULTRASONIC PORTABLE CLAMP-ON FLOWMETER

■ MODEL NO. VI-UFM-HH-CO 2000H



Uses transit time differential to measure flow rate of liquids in closed pipes. The technique uses a pair of transducers with each transducer sending and receiving ultrasonic signals through the flowing liquid. When the fluid is flowing, signal transit time in the downstream direction is shorter than in the upstream direction, this difference is proportional to flow.

■ ULTRASONIC WALL MOUNTED FLOWMETER CLAMP ON TYPE SENSORS

■ MODEL NO. VI-UFM-WM-CO 2000B



FEATURES

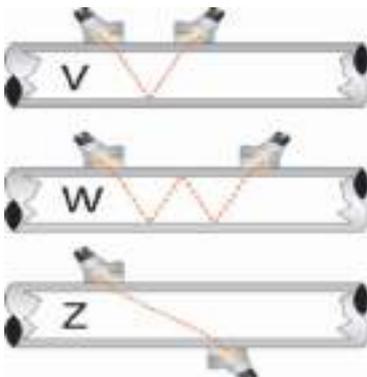
Principle	Transit-time
Accuracy	±1%
Display	4 x 16 characters back - lit
Interface	RS 232C
Data Storage	SD Card (Optional)
Pipe material	CS/SS/CI/GI/ MS
Measuring Range	DN 50 – 6000mm
Liquid	Single liquid like Water, Sewage etc.
Flow velocity	0 - ±7m/s
Power Supply	DC 8~36V AC 85~265V



Clamp-on Sensor

High Temperature Clamp-on

Installation Types



Clamp-on	Picture	Model	Accuracy	Protection	Line size	Medium Temperature
Standard		TS-2	±1%	IP-68	Dn25-100mm	-30 to 90°C
		TM-1	±1%	IP-68	Dn50-700mm	-30 to 90°C
		TL-1	±1%	IP-68	Dn300-6000mm	-30 to 90°C
High Temperature Standard		TS-2-HT	±1%	IP-68	Dn25-100mm	-30 to 160°C
		TM-1-HT	±1%	IP-68	Dn50-700mm	-30 to 160°C
		TL-1-HT	±1%	IP-68	Dn300-6000mm	-30 to 160°C

Uses transit time differential to measure flow rate of liquids in closed pipes. The technique uses a pair of transducers with each transducer sending and receiving ultrasonic signals through the flowing liquid. When the fluid is flowing, signal transit time in the downstream direction is shorter than in the upstream direction, this difference is proportional to flow.

ULTRASONIC WALL MOUNTED FLOWMETER INSERTION TYPE SENSORS
MODEL NO. VI-UFM-WM-IT 2000B



FEATURES	
Principle	Transit-time
Accuracy	±1%
Display	4 x 16 characters back - lit
Interface	RS 232C
Data Storage	SD Card (Optional)
Pipe material	CS/SS/CI/GI/ MS
Measuring Range	DN 50 – 6000mm
Liquid	Single liquid like Water, Sewage etc.
Flow velocity	0 - ±7m/s
Power Supply	DC 8~36V AC 85~265V

Characteristics

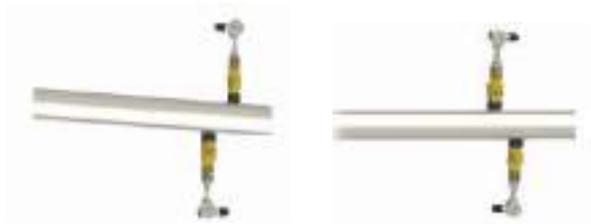
No need to cut the pipe or stop flow of water
High accuracy ±1%
For pipes over 300mm, cost effective

Intrusive measurement, more reliable and stable
Protection class IP 67
Protection class IP 68 (Optional)

- Model TC – 1
- Suitable for pipes with welding facility
- Range: 50 ~6000mm
- Pipe thickness: = 20mm
- Temperature: -30 ~160°C

- Model TC – 2
- Suitable for non-metallic pipes
- Range: 50 ~ 6000mm
- Pipe thickness: = 70mm
- Temperature: -30 ~ 160°C

Insertion Sensors



pH/ORP CONTROLLER
MODEL NO. VI-POC-7500

Widely used for monitoring in environmental protection water treatment, chemical process, circulating cooling water, aquaculture and acidity in modern agriculture industry.



SPECIFICATION

Application	pH – 0.00 -14.00 ORP – (-1999? +1999) mV Temp. – 0.00? 99.9°C	Control Output	Double channel relay output
Resolution	0.01 / 1mV /0.1°C	Power supply	pH/ORP 7500-24V DC pH/ORP 7510 – 110VAC pH/ORP 7520 -230VAC
Accuracy	0.1 / ±5mV / ±0.5°C	Protection Class	Controller – IP65 Sensor – IP 68
Buffer Solution	10.00; 7.00; 4.00/9.18; 6.86; 4.01	Display	Back – lit LCD
Analogue output	Single channel isolated 4-20mA	Range	pH – 0.00 -14.00 ORP – (-1999? +1999) mV

SENSOR SPECIFICATION

Drainage Pipe	½"NPT internal thread, ½" Hose provided	Cable length	10 mtr.(std.) 100 mtr.(max.)
		Protection class	IP - 68
Repeatability	Better than ±1%	Water Pipe	¼"NPT internal thread, ¼" compression fittings provided
Accuracy	±2% of FS		
Response Time	1 second	Measurement Range	0-20NTU 0-200NTU 0-2000NTU 0-100mg/L 0-1000mg/L
Velocity of Flow	100-700ml/min		

ONLINE TURBIDITY METER

MODEL NO. VI-TM-99

Works on the principle of measuring the degree of light scattered due to un-dissolved particles in suspended transparent or opaque liquid and measure the content of these suspended particles.



CHARACTERISTICS

·Integrated Conductivity / Resistivity parameter measurement
·Automatic conversion in full range
·Arbitrary selection of Conductivity /Resistivity/TDS
·Check conductivity, temperature, 4-20mA at any time
·24V DC; 110V AC; 220V AC power supply models available
Measuring communication, control is completely isolated

CONDUCTIVITY ONLINE CONTROLLER

MODEL NO. VI-CC-3300

Widely used for monitoring in chemical, pharmaceutical, food, municipal water for online Conductivity controller as high cost effective solution.



DO ANALYZER

MODEL NO. VI-DA-99

Uses Fluorescence method, designed for water environment monitoring and sewage treatment. Adopts advance fluorescence quenching principle and accurate phrase detection technology.



SPECIFICATION

Temperature sensor	Detection range 0-50°C Resolution ±0.1°C Accuracy ±0.5°C	Measurement Range	0-20mg/L or 0-20ppm
Pressure Grade	0.5MPa	Resolution	±0.01mg/L
Salinity Range	40ppt	Accuracy	±0.2mg/L or ±1% of FS
Calibration	Single or two point. Factory calibrated	Response Time	< 60 seconds
Anti-interference	Not interfered with H2S, CO2, NH3, SO4,CL, CLO2, MeOH, EtOH, etc.	Analogue output	Single channel isolated 4-20mA
		Control Output	Double channel relay output

SPECIFICATION

Measurement Range	10-5000mg/L	Measurement Range	Reagent replacement once every month
Repeatability	<5% of FS	Output	Two way 4-20mA Isolated
Accuracy	<10% of FS	Digital Communication	RS 232C / RS 485
Shortest Measurement period	15 minutes	Display	Back-lit Graphical
Calibration period	Artificial selection	Power Supply	220V AC

NOTE - We also provide BOD / Ammonia / Total Phosphorus Online Analyzer

■ COD ONLINE ANALYZER

■ MODEL NO. VI-CA-2001

Based on dichromate method, can monitor the COD in various waters unattended. Used in Environmental pollution and municipal sewage monitoring. Oxidizer (Potassium Dichromate), Catalyst (Silver sulfate) under high temp. dissolve samples rapidly.



SPECIFICATION

S.No	Specification	COD	BOD	TSS	Ph
1	Measurement Principle	Spectral Measurement	Spectral Measurement	Spectral Measurement	Potentiometric
2	Wave Band	200-400 nm	200-400 nm	0-850 nm	
3	Measurement Range	(0-500) mg/l	(0-100) mg/l	(0-50) g/l	0-14
4	Resolution	1 mg/l	1 mg/l	1 g/l	
5	Accuracy	±2%	±2%	±5%	±0.1%
6	Response Time	< 5 Sec	< 5 Sec	< 5 Sec	< 5 Sec
7	Communication	RS 485/MODBUS RTU	RS 485/MODBUS RTU	RS 485/MODBUS RTU	RS 485/MODBUS RTU
8	Working Temp	(0-60°C)	(0-60°C)	(0-60°C)	(0-60°C)
9	Working Pressure	(0-6) Bar	(0-6) Bar	(0-6) Bar	(0-6) Bar
10	Voltage	12 V/ 24 V DC	12 V/ 24 V DC	12 V/ 24 V DC	12 V/ 24 V DC

■ Integrated Parameter Analyzer (Ph, TSS, BOD, COD)

■ MODEL NO. VI-IP-PTBC-1400



COD / BOD / TSS / pH

■ MULTI PARAMETER QUALITY ANALYZER

■ MODEL NO. VI-MPA-5000

Temperature

Measurement Principal - Platinum Resistance

Temperature Range - -10 - 150°C

Accuracy - ±0.2°C

ORP / pH Sensor

Measurement Principal - Glass Electrode Method

Measuring Range - pH 2-14/ORP (-1999 to +1999) mV

Response Time- <50 Sec.

DO Sensor

Measurement Principal - Fluorescence

Measuring Range - 0-20 mg/l

Accuracy - <0.1 mg/l

Resolution - <0.01 mg/l

Response Time- <50 Sec.

Conductivity Sensor

Measurement Principal - Electromagnetic Induction

Temperature Range - -10 - 200°C

Measuring Range - 0-200 µS/cm

Accuracy - ±0.01%

Response Time- <60 Sec.

Turbidity Sensor

Measurement Principal - Infrared light Scattering

Measuring Range - 0.001-4000 NTU

Accuracy - ±0.5% FS

Response Time- <60 Sec.

Chlorophyll Sensor

Measurement Principal - Constant Voltage Method

Measuring Range - 0 - 5.00 ppm (HClO)

0 - 5.00 ppm (ClO2)

Accuracy - ±2% FS

Response Time- <60 Sec.

Residual Chlorine Sensor

Measurement Principal - Spectral Absorbing

Measuring Range - 0 - 20µg/l

Accuracy - 0.02µg/l

Response Time- <60 Sec.

PARAMETERS MEASURED	SPECIFICATION
·Temperature	·Can measure 7 parameter
·ORP/pH	·Power Supply 12V DC
·Dissolved Oxygen	·Also works on Solar Power
·Conductivity	·7.0" LCD Display
·Turbidity	·Power-off protection to retain last measured values
·Chlorine	Power: 220V AC , 20W
·Chlorophyll	4-20mA analog and Rs485 digital output, MODBUS protocol

SPECIFICATION

Frequency Range	400 to 6000 Hz
Excitation	5 V Square Wave
Resolution	0.01 Hz
Temperature Range	-20 to $\pm 50^{\circ}\text{C}$
Temperature Accuracy	$\pm 1^{\circ}\text{C}$
Battery Type	3 \times AA Alkaline Battery
Battery Life	1 Year
Display	16 \times 2 Character LCD
Data Transfer Port	USB 2.0
Data Transfer Media	USB 2.0 Pen Drive
Store Data	.CSV (Microsoft Excel)
IP Rating	IP 65

■ DigiLog Vibrating Wire Read Out Cum Logger (Piezometer)

■ MODEL NO. VI-PM-DIGI-1401



FEATURES

Easy installation & operation.	Data stored in internal non-volatile memory
High accuracy & resolution.	Portable and robust for using in Field
Temperature (Thermistor) read out.	Ip65 Rated & CE Certified.

APPLICATION

To monitor water level in Bore wells & Dams.	To study propagation of cracks.
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■ Statometer Acoustic DWLR (Piezometer)

■ MODEL NO. VI-DWLR-10



The Statometer is a Digital Water Level Recorder (DWLR) which can be used in piezometer wells as well as tube wells for measurement of water level data. Non-contact devices in Water level measurement are the next generation products in the water sector. Statometer uses an indigenously designed patented signal processing algorithms of acoustic waves for accurate measurements.

WORKING

Data transmitted through to a cloud server through GPRS.
Quick custom & valuable insight with interactive dashboard.
Analyze the data with online tools or download for offline analysis.
Operation & automation through intelligence decision making.

SPECIFICATION

Accuracy	± 0.02 to ± 0.05 m
Resolution	0.001 m
Measurement Frequency	User Defined

FEATURE

Non Contact Device & Easy Customization.	Plug & Play with Easy Installation.
Low Maintenance & No Effect on Water Quality.	Real Time Data & Easy Data Collection.
Frequency Setup.	Solar Ready & GPS (Optional)
Secure Cloud Data Storage.	Dashboard with Analytical Tool.

SPECIFICATION

Material	All weather resistant ABS + PU
Protection	Splash Proof
Battery	Li-Ion (7.4 V 300 mA)
Operation Without Charging	~ 5 Days Operation
Charging	Solar Panel or AC/DC Adaptor
Power Supply Adaptor	12 V , 3A DC
Recommended Solar Panel	> 20 W
Sensor Interface	UART
Telemetry	GPRS/GSM
GPS Accuracy	10 Meter

SPECIFICATION

Housing	SS 304	Application Temp.	30 - 80°C
Diaphragm	SS 316L	Power supply	12 - 28 V DC
Accuracy	±0.5% of FS	Output	4 - 20mA (two wire)
Connection	G1/4male thread	Range	0.1 ..0?0.01..100MPa (1....0?0.1 ..1000bar)
Compensated Temp.	0 - 50°C	Protection class	IP 65
		Electrical Connection	DIN43650 plug/M12 connector

■ PRESSURE TRANSMITTER (BLIND)

■ MODEL NO. VI-PTB-SPT-21

Piezo-resistive pressure transmitter uses highly stable and reliable pressure sensor and special circuit board to convert measured pressure to current output.



■ DIGITAL PRESSURE TRANSMITTER

■ MODEL NO. VI-DPT-SPT-22

■ POWER OUTPUT - 4 - 20 mA

A piezoresistive pressure sensor, laser trimmed to compensated zero and sensitivity in wide temperature range. The product is suitable for rugged environment in various industrial segments.



■ SMART PRESSURE TRANSMITTER

■ MODEL NO. VI-SPT-22Z

■ POWER OUTPUT - 4 - 20 mA + RS 485

A piezoresistive pressure sensor, laser trimmed to compensated zero and sensitivity in wide temperature range. The product is suitable for rugged environment in various industrial segments.



Aluminum Alloy housing in IP 65	Offset and Full scale adjustable
Reversed signal polarity	LCD Indicator
Overcurrent and Overvoltage protection	SS flush diaphragm – Tantalum optional

FEATURES

Over Pressure	2 x FS	Application Temp.	- 30 - 80°C
Diaphragm	SS 316L	Power Supply	18 - 36V DC
Accuracy	±0.2% FS / ±0.5% FS (Optional)	Output	4-20mA (2 wire) / 0/1?5/10V DC (3 wire)
Connection	G1/4" male thread	Range	-0.1 ..0?0.01..100MPa (1....0?0.1 ..1000bar)
Compensated Temp.	0 - 50°C	Display	-1999 to 9999
Indicator	4 digit LCD	Sealing Gasket	Viton

SPECIFICATION

FEATURES

One RS 485 and four 4-20mA to exchange data with monitoring center

High temperature and alkali resistance

With Probe and cable self-cleaning function

With self-diagnostic and alarm function

7" colour LCD screen with High precision and High reliability

Real-time measurement, data storage, recording and playback

Maintenance period - Reagent replacement once every month



MULTI-LAYER LIQUID ANALYZER

MODEL NO. VI-MLA-GD-6800

The High frequency Ultrasonic wave probe is used for collecting the acoustic velocity, energy and other parameters of the ultrasonic wave at each level sedimentation tank and Liquid Smart is used for analyzing and detecting the liquid level and liquid stratification height.

SPECIFICATION

Measurement Range	0 - 20 Meter	Output Interface	RS 485 baud rate 4800 bps, 4 channel 4-20mA
Resolution	10 mm	Accuracy	±30mm
Cable entry	2 nos. M 20 x 1.5 sq.mm	Measurement interval	20 minutes



Plant MIS

IIoT Solution For Optimizing Your Waste Water Treatment Process Form Anywhere

- Built on reputed cloud platform, Plant MIS leverages Industry 4.0 technologies to improve your process and maintenance effectiveness.
- Our Plant MIS solution brings all plant data including context information like plans, documents & drawing and bench marks to your palm, enabling you to take effective decisions quickly.

Applications

- Process monitoring
- Machine performance monitoring
- Energy Management
- Quality assurance & compliance.
- Reporting Compliance.

Data can be collected Automatically from

- Instruments - Pressure, Flow, Temperature, Level, pH.
- PLC/DCS
- Motor, Compressor, Transformers.
- SCADA
- Tank Aerators & Energy Meters
- Containers, Tankers, Trucks.



Optimize Treatment

Monitor & optimize treatment 24x7 from anywhere view KPIs, Gaps, Root Cause, History & trends.



Improve Process Efficiency

View process dependencies, analyze impacts and fine tune process parameters for maximum efficiency.



Reduce Downtime

Get instant alerts of machine breakdowns, events or deviations to right persons.



Improve team Effectiveness & Morale

Send specific corrective and preventive actions to O&M personnel, transparently measure results & learn.



Reduce Energy Use

Analyze energy consumption process wise equipments wise & batch wise. Implement conservation measures and record outcomes.



Improve Machine Health

Analyze machine health with historical an real time data to improve maintenance planning & execution.



CONNECT ANY EQUIPMENT FAST

Get started by connecting your plant equipment from sensor to controllers. Connect sensor like level flow .DO quickly to our wireless sensor nodes for transmission of data to our IOT gateway. Connect meters & instruments to measure energy. The gateway transmits the data securely to our cloud system over 3G/4G o wired Internet.



AGGREGATE AND ANALYSE

Data can be aggregated over month or years . The frequency of data collection is user defined can vary on depending on the parameters. The data is stored securely in our big data store with unlimited scalability and consistent performance. Run analytics on the data with our predefined algorithms and spot opportunities for improvement



GUIDE AND TRANSFORM

Push alerts to the operations and maintenance personnel depending on real-time events related to process and machine condition. Solution to Pre-defined problem can be programmed for automatic transmission to the personal. This drastically reduces the downtime and wastage

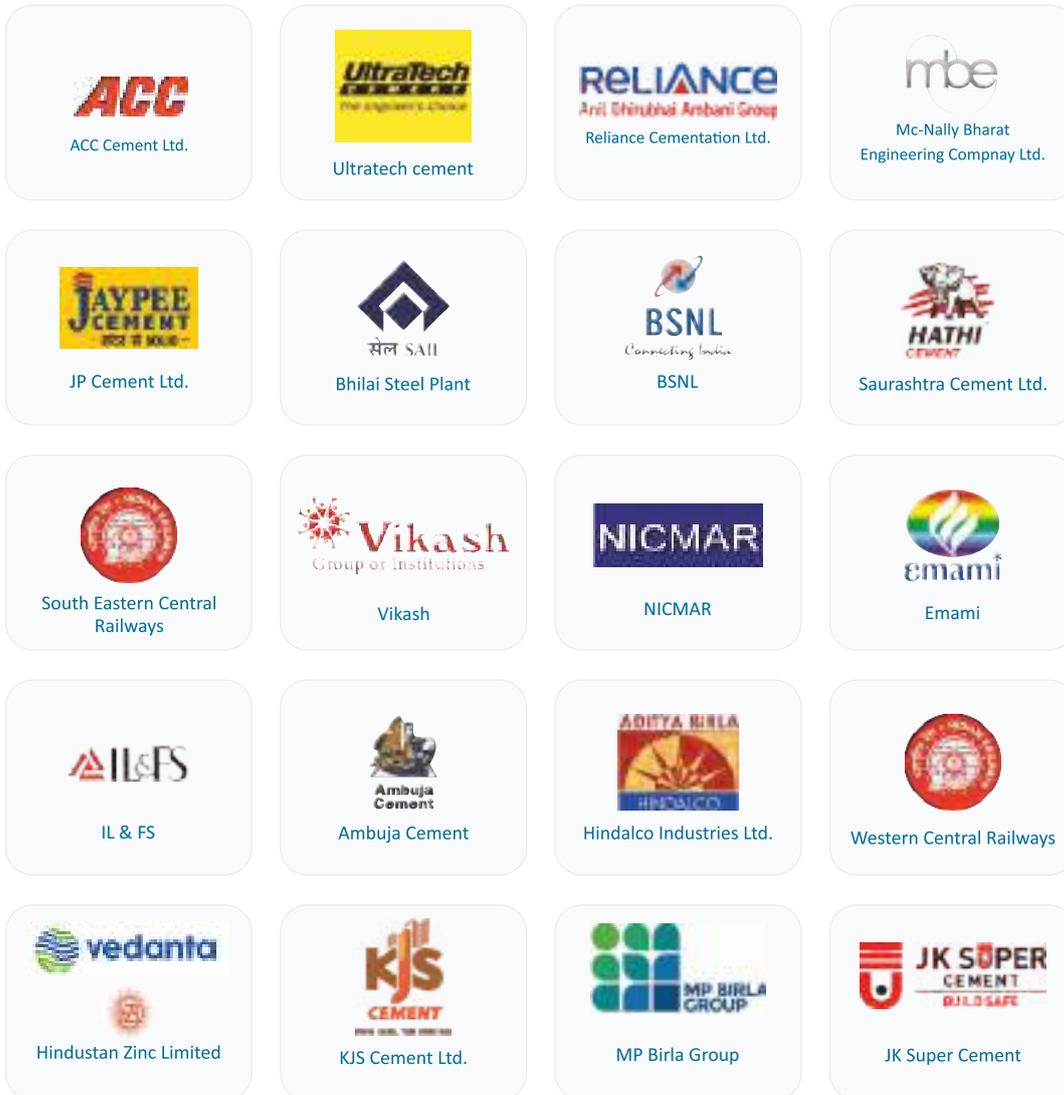


■ WATER ■ ENVIRONMENT ■ ENERGY

Website:www.vexl.in

Branch offices :
Chennai > Delhi > Hyderabad > Indore > Bhilai

Major Clients



■ WATER ■ ENVIRONMENT ■ ENERGY

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