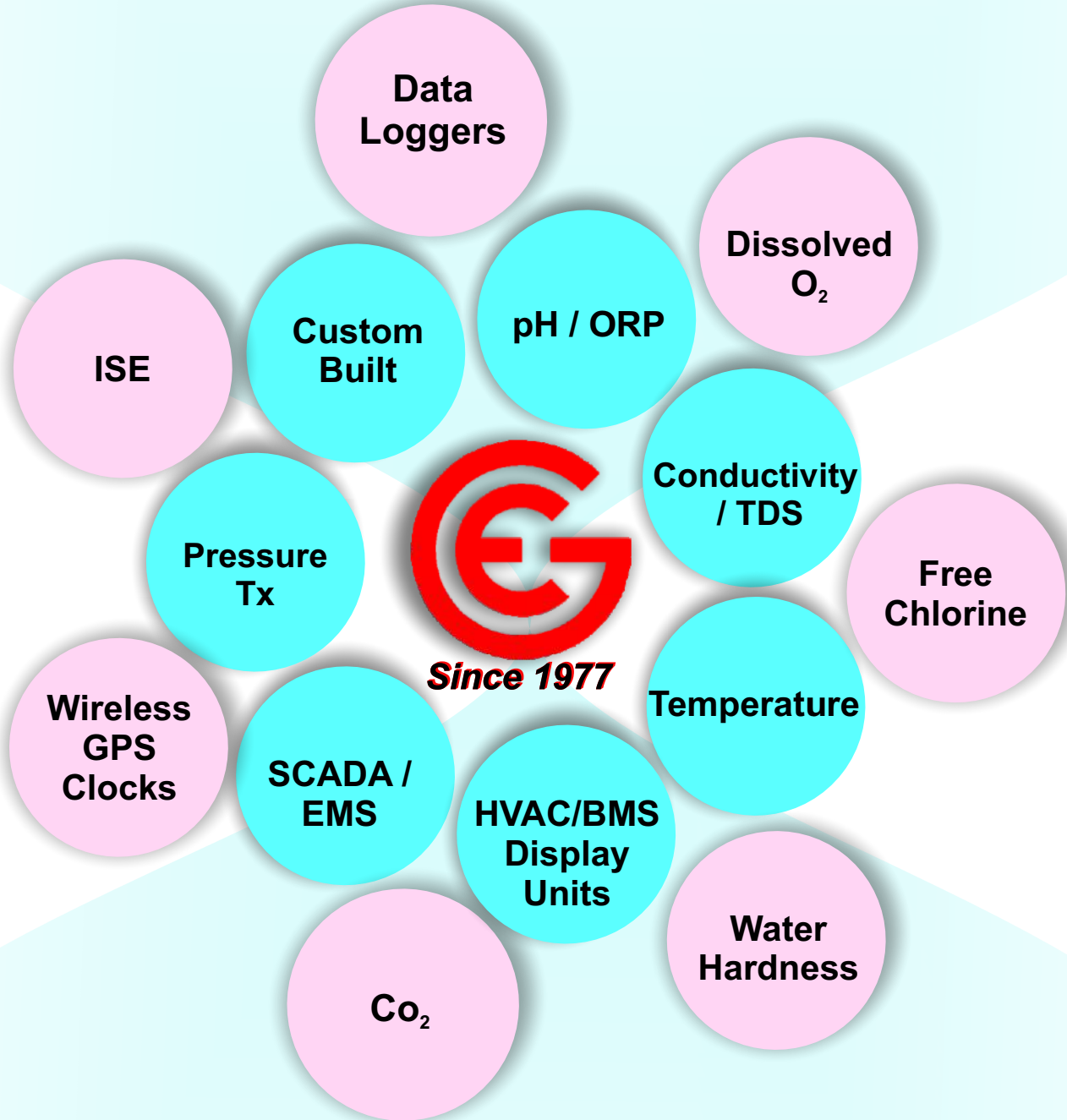


# Innovative Instrumentation & Sensors ..... **Since 1977**



**Exclusive Distributors in India for :**



[www.vl-pc.com](http://www.vl-pc.com)



[www.jencoi.com](http://www.jencoi.com)



**MADE IN USA**

# **GLOBAL ELECTRONICS**

● HYDERABAD ● VISAKHAPATNAM, INDIA .

PH:+91 40 23221391, 6687, +91 98499 85306 Email : [info@ge-india.com](mailto:info@ge-india.com)

URL : [www.ge-india.com](http://www.ge-india.com)

## ABOUT US

Global Electronics was established in 1977 with an aim to start the digitalisation era in process instrumentation and automation in India and worldwide. The conviction in our dream got stronger when we exported India's first Digital pH Meter to France in 1978. We are a Design and Manufacturing house, specialising in inventing state of the art instruments for Process Control Industry.

Our motto : "Reliability through Design".

We were the first to Automate the Process pH Control in 1981 without using a PLC, and since then we are Automating Various parameters in Industries and providing SCADA for the same.

Our design and manufacturing capabilities are proven by the fact that we have been repeatedly getting orders from DRDO since 1981 on single tender basis, as we have the capability to design and customise cost effective instruments and sensors which qualify all the criteria including EMI/EMC safe, Low temperature test, Vibration test, Thermal Shock Test to name a few. We also do private labelling for company like Honeywell, UTC (Carrier race) and many more.

### WE WORK WITH OUR CUSTOMERS AS PARTNERS

We have a team of highly qualified and experienced engineers, led by Dr. Gurmeet Singh (CEO) and Design Head. We are a multi disciplinary Core Team of five, who have been working with each other in perfect co-ordination for an average of 20 years and we strive to tell our complete organisation that,

### WE DO NOT NEED TARGETS, RATHER WE NEED HAPPY CUSTOMERS.

We guide our customers in optimising their requirement and we are **PROUD OF THE FACT THAT MOST OF OUR CUSTOMERS CALL US DURING THE BOQ PREPARATION.**

Our Product Range includes

Analysers : pH / ORP ,Conductivity / TDS / Free Chlorine / Turbidity / DO

Transmitters: RH, Temperature, Differential Pressure, Velocity, Dew Point, CO<sub>2</sub>,Level , Vacuum

Sensors : pH, Conductivity, ORP,Dissolved Oxygen ,Optical Sensors, Temperature

- Aurobindo Pharma Ltd
- Dr.Reddy's Laboratories Ltd
- Natco Pharma Ltd
- Sanmar Speciality Chemicals
- GSFC
- FCRI
- Nectar Lifesciences
- Delta Airconditioning, **Australia**
- Dalas Biotech
- Nuclear Fuel Complex
- Aurobindo Datong, China
- Techno Solutions, **Saudi Arabia**

- Mylan Labs
- Covalent Labs
- India Immunologicals
- Nuziveedu Seeds
- Auronext Pharma Pvt Ltd
- NCL
- MRF
- Akums Drugs & Pharmaceuticals
- BHEL
- Oman Chemicals & Pharmaceuticals, **Sultanate of Oman**

- DRDL
- RCI
- Arch Pharma Labs Ltd
- Biological E Ltd
- Dhanuka Laboratories
- Cavotec, **Malaysia**
- IICT
- Elring Klinger
- Pharmazell
- Kemwell Biopharma
- Torrent Gujarat Biotech
- Adcock Ingram, **South Africa**

### Exclusive Distributors in India for



**Van London Company., USA** is one of the largest manufacturers of pH, ORP, Dissolved Oxygen & Conductivity electrodes in the world. The state of the art 30,000 sft manufacturing units produces over 50,000 electrodes in almost 3000 varieties and are sold all over the world.

The new Patented **GX-V Green Glass** delivers unparalleled performance and stability in the most demanding applications.



www.jenco.com



Jenco Instruments have been designing and making water quality instruments since 1973 with their deep product, R&D and production know-how's and a reputation built on efficiently delivering quality products.

## GLOBAL'S JOURNEY IN INSTRUMENTATION

Collaboration with JENCO, USA, as distributor in India	2019	Wide range of Lab Instruments
Optical Sensors for DO, Turbidity & Chlorine	2018	Digilog pH Transmitter
OEM Suppliers to Honeywell - 2015	2017	Surgeon's Panel
Differential Pressure Indicators	2015	Synchronised Digital Clocks
Clean Room Monitors	2011	RHT Sensors
Microprocessor Based Temperature Scanner 1996	2009	Glove Puncture Detector
Pyrogen Testing System for Animal Labs - 1987	2005	Process Control Automation System for Nutrine - 1992
MILAN Missile Test System 1984	2000	Fermentation Control System for Biotech Applications - 1986
Temperature Scanner 1982	1996	Research Grade 0.001 pH Lab pH Meter - 1983
Microprocessor Based pH Controller - 1982	1990	Industrial Temperature Indicator -1981
Table Top Thermometer 1980	1986	Lab pH Meter with ATC 1979
Conductivity Meter 1978	1984	Lab pH Meter 1977
	1982	
	1980	
	1977	

# PRODUCT LINE





## PROCESS PH / ORP

### pH / ORP Indicator



**DPH 509  
Panel Mount**

- True Differential Input system with Solution Ground referencing to eliminate Ground Loop Problems
- High performance design for use in difficult samples - Ultrapure Water & Partially Aqueous media
- Available in Panel Mount, Wall Mount & Flameproof Enclosures
- 4-20mA Output



**DPH 509  
Flameproof  
(Truly Flameproof)**

### pH / ORP Controller



**DPH 510**

- True Differential input measurement system
- Solution Ground referencing eliminates Ground Loop problems
- High performance design for use in difficult samples like Pure Water
- 2 Set point ON OFF / Dead band Control
- Available in Panel Mount, Wall Mount & Flameproof Enclosures
- 4-20mA Output



**DPH 510 FLP**

### pH / ORP Transmitter



**DPH 512  
Flameproof  
(Truly Flameproof)**

- True Differential Input system with Solution Ground reference
- 24V DC Operation
- Ground referenced 4 - 20mA output
- High performance design for use in difficult samples - Ultrapure Water & Partially Aqueous media



**DPH 512  
Panel Mount**

## PROCESS pH / ORP

### Advanced pH / ORP Controller



**DPH 513**

Model DPH 513 is specially designed for Batch pH Control in Pharmaceutical & Water Treatment applications. The special control algorithm developed for pH control has proved itself over thirty years in critical Enzymatic reaction applications.

- Advanced Dual Mark Space Control Algorithm for precision control
- Minimum use of Dosing reagents
- Simple ON/OFF Control Elements
- 3 Point Electrode calibration for high sensitivity applications
- Solution Ground referencing to eliminate Ground Loop problems
- High performance design for use in difficult samples like partially aqueous media
- Automatic / Manual Temperature Compensation
- Digital input for Control HALT
- RS 485 MODBUS RTU Communication
- Available in Panel Mount, Wall Mount & Flameproof Enclosures

### DIGILOG pH/ORP TRANSMITTER

'Digi' represents all the features of digital pH Transmitter and 'Log' represents the connectivity with standard analog electrode which will drastically reduce the replacement cost of electrode and logging of your calibration data

- Works with any analogue pH Electrode which will reduce the replacement cost
- Data Management: in-built storage of calibration data
- RS 485 or 4-20mA output for connecting to HMI or integrating with SCADA
- Auto-buffer recognition
- 3 Point & 5 Point Electrode calibration for high sensitivity applications**
- Available in Certified Flameproof Enclosure
- Microprocessor based instrument
- Supports more than 3000 types of Electrodes with different applications



**DPH 515**

### pH / ORP Isolator



**ISO 160**

Global's pH & Temperature Isolator Signal Conditioning Module is designed for isolating pH Transmitter's signal to On-line Indicator / Controller.

It uses up to four levels of isolation to eliminate ground loop problems and induced field noise

## PROCESS CONDUCTIVITY / TDS



**DCM 910**

- High performance design for use in difficult samples like Pure Water
- 20µS to 2 S ranges
- TDS display option
- 2 Set point ON OFF /
- Dead band Control
- Ground referenced 4-20mA / 0-10V output for Data Acquisition

## CONDUCTIVITY CELLS FROM VAN LONDON Co., USA



- In-Line Installation
- Temperature Compensation
- Treated 316 Stainless Steel Body
- Cell Constant Validated At The Factory
- C621: IP 65 Detachable Plastic Cable Connector
- C621H: NEMA 4 Aluminum Threaded Terminal Box
- Temperatures Sensors: 10K NTC, Pt100 and 1000



- In-Line or Submersible Installation
- Temperature Compensation
- Treated 316L Stainless Steel Body
- Cell Constant Validated at the Factory
- 10 Foot Leads with Spade Lugs
- Temperature Sensors: 10K NTC, PT100, or Pt1000

### Torroidal Conductivity Cell



Torroidal Conductivity is perfect for applications that would foul or attack the metal of contacting sensors

- Low cost
- Durable PVC construction
- Submersible or in-line mounting
- Ease of maintenance

### Process Conductivity Cell

- Concentric 2 electrode Cells
- Cell Constants of 1.0 0.1, 0.01
- Versions for Temperatures upto 205°C
- Available is SS 316 Housing





## TEMPERATURE INDICATORS AND CONTROLLERS



**DTM 700**



**TI700**



**TI701**

- PT100 input Linearised to 0.25% w.r.t. Temperature
- Flame proof Gas Gr. IIA, B, Weatherproof IP56
- High visibility LED display
- Easy 2" pipe mounting
- Ground referenced 4-20mA DC retransmission output for Data Acquisition
- Compact Temperature Indicator
- Certified Flameproof, IS/IEC 60079-1, Gas Grp. IIA, IIB
- Range : -200°C to 500°C with 0.1°C resolution
- Password Protected
- Flameproof wit Magnetic Key for "EXTERNAL SOFTWARE CALIBRATION"
- RS485 OR 4-20 mA for Data Logging
- Relay or Alarm Buzzer
- In built Lead Resistance Compensation Circuit

**EXTERNAL CALIBRATION**  
**FOR TRUE FLAMEPROOF OPERATION**  
**NO COMPROMISE ON SAFETY**

## CUSTOM RTD / THERMOCOUPLE SENSORS



- RTD / Thermocouple Sensors
- Type K /R/ J Thermocouple Sensors
- Pencil Type, Flat Leaf sensors also available
- Availilabel in Flameproof head

## DUAL CHANNEL TEMPERATURE INDICATOR



- Universal Input
- Dual Analog Input
- Certified Flame Proof IS2148-2004, Gas Gr. II A,B
- High Precision, High Accuracy
- Sensor Linearization better than 0.25% FS
- Wide Range of Measurement
- Supplied with Calibration Certificate traceable to NABL



## SCANNERS & DATA LOGGERS



**DTM 705**

- PT100 input Linearised to 0.25% w.r.t. Temperature
- 4,6,8 or 10 Channels
- AutoScan / Hold / Manual modes
- Individual channel Zero calibration
- Panel / Wall mount / Flameproof



**PAPERLESS DATA LOGGERS**

- TFT Touchscreen / LED Display
- Data logging-32000 per channel is secured
- Available in 8 or 16 universal input (RTD, Thermocouple 0-5Vdc, 0-20mA or 4-20 mA input signals.)
- Parallel Port to connect to dot matrix printer
- Two relay outputs Individual Alarm relay (HI / LO)
- Additional relay outputs with optional Relay card
- Networkable using Ethernet Port (optional)
- Free PC Based Data Acquisition software
- 21 CFR Part 11(optional)
- 3.5 inch TFT with Touch Screen Control
- Front end IP65 protection
- USB Port (Memory stick)



## PROCESS INDICATORS



- Dedicated RPM indication
- Three Analogue inputs to connect (Temperature/pH/RPM/TDS/DO etc)
- Output RS 485 MODBUS RTU PROTOCOL
- Emergency Stop Button
- Flameproof Enclosures

## BATT OPERATED WIRELESS TEMP / RH DATA LOGGERS



## 2 CHANNEL ANALOGUE INPUT DATA LOGGER WITH SOFTWARE AND WIRELESS TRANSFER TO PC



## RPM INDICATORS



- Start Push Button with NO contact
- STOP Push Button with NC contact
- Multiturn Potentiometer for Speed Setting
- Digital Speed Indicator

## PID CONTROLLERS



- Control of Temperature, Humidity, Pressure, Flow and pH
  - PID + Fuzzy algorithm for excellent control
  - Built in Bar Graph Display
  - Advanced options like Motor Vave Control, SCR/TRIAC trigger and Programmable RAMP/SOAK
- Available in all sizes and configuration

## LABORATORY PH / ORP METERS



**DPH 500**

- Rugged Laboratory Grade pH / mV meter
- Large easy to read LED Display
- Manual Temp. Compensation
- Table top, Mains operated



**pH Meter  
Batt operated**



**DPH 507**



**DPH 507 PLUS  
5 Point Calibration**

- Microprocessor based pH / mV meter
- Large easy to read Dual LED Display
- 3 Point Calibration with Automatic Buffer recognition
- User selectable NIST / USA Buffer set
- Automatic / Manual Temp. Compensation
- RS 232C Computer Interface
- 100 point built in Data Logger
- Built in Real Time Clock

## LAB ELECTRODE SERIES



**Epoxy Electrode**



**Micro Electrode 4mm Dia**

## CONDUCTIVITY / TDS



**DCM 900**

- Rugged Laboratory Grade instrument
- Manual Temp. Compensation
- 20 uS to 200 mS FS in 5 ranges
- Cell constant compatibility of 1.0 / 0.1
- Table top, Mains operated
- Option of Conductivity / TDS display



**DCM 907**

## PH STAT SYSTEM



### DPH 514

- Displays pH / ORP, Temperature & Dosing Time
- Benchtop SS Enclosure
- Compact Stand alone pH Control system with Peristaltic dosing pumps in SS Enclosure
- Microprocessor based, Real Time Fault Tolerant Design.
- User Selectable pH or ORP Control Mode
- Advanced Signal conditioning provides exceptionally stable reading which adapts to virtually any Titration curve.
- Extremely tight pH control with fast response and Batch processes.
- Simple, low cost & easy to maintain ON / OFF Control elements used
- User selectable NIST or US Buffer set for Calibration
- Powerful 3 Point / 5 Point Software Calibration with Automatic Buffer recognition and Buffer pH Compensation for Temperature
- "Electrode Condition Monitoring" with warnings for poor electrode condition.
- "Control Halt" switch for Start & Stop of Titration.
- Available in Single & Dual Pump Versions

#### Applications

- Process development experimentation for manufacturing process optimization
- Regular laboratory processes like Buffers and Solution preparation.

## FREE CHLORINE

Our free Chlorine measurement range offers instruments and sensors to analyze free chlorine in solution



- The Sensors of Van London Co,USA, for the measurement of Free Chlorine, Chlorine dioxide and Potentiostatic measurement
- Linear current/concentration relationship
- No need for frequent zero and sensitivity calibration
- Very stable zero value in oxidative absence.
- The sensor is easy to clean and replace.

## TURBIDITY

High Turbidity and suspended solids probe with 4-20 mA & RS485 output

This unique submersible probe has been designed to measure the high turbidity and suspended solids based on back scattering technology

2 wire 4-20 mA Isolated Analog Output  
Can be connected to PLC or Data Logger





# Wide range of Analytical Instruments from Handheld to Industrial Applications

Field Instruments



**Exclusive Distributors in India for Jenco, USA**

[www.jencoi.com](http://www.jencoi.com)



# HVAC/BMS: CLEAN ROOM INSTRUMENTS & SENSOR SERIES



**Cleanroom Instruments**

## CLEAN ROOM INSTRUMENTS

### CR 131



- 21CFR Part 11 compliant
  - Displays RH, Differential Pressure & Temperature
  - High accuracy
  - Input Compatible with most RH Sensors, Pt100 & 0-10V & 4 -20mA Transmitters
  - Hi & Lo Alarm Annunciation for each channel
  - Integral Pressure Sensor option
  - Software calibration with record
  - 24 V DC operation
  - SCADA interface through RS 485 MODBUS Communication
  - Programmable Units : %RH, Dew Point, °C, °F, Pa and mmWC
- OPTIONS: Built in Synchronised Clock, Max/Min Record with Time Stamp, 1000 point internal log

**OPTIONAL OUTPUTS : RS485 / 4-20 mA , 0 - 10 V, TCPIP**

### 2 CH / 4 CH ALARM ANNUNCIATOR

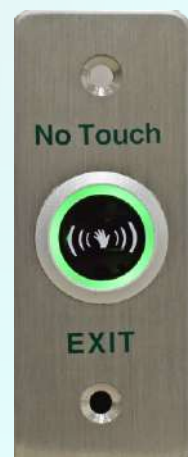


- Power Supply : 24 V DC
- Two Digital Inputs
- Alarm Mute time pre-configured
- Individual Acknowledgement for each Channel
- Alarm Buzzer
- Sleek and compact enclosure with SS Faceplate

### No Touch Switch



- No Touch Exit Push Buttons for Access Control
- Door interlocking systems
- Versions with Adjustable sensitivity and Adjustable delays are also available.



## CLEAN ROOM INSTRUMENTS WITH TCPIP/MODBUS/4-20 mA/ 0-10 V



### CR 131 Gesture

Also available with Private Labelling and Flameproof

- Choice of Bright LED or LCD Display
- 21CFR Part 11 compliant
- Displays RH, Differential Pressure & Temperature
- High accuracy
- Input Compatible with most RH Sensors, Pt100 & 0-10V & 4-20mA Transmitters
- Hi & Lo Alarm Annunciation for each channel
- Integral Pressure Sensor option
- Software calibration with record
- 24 V DC operation
- SCADA interface through RS 485 MODBUS Communication
- Programmable Units : %RH, Dew Point, °C, °F, Pa and mmWC

OPTIONS: Built in Synchronised Clock, Max/Min Record with Time Stamp

**OPTIONAL OUTPUTS : RS485 / 4-20 mA , 0 - 10 V, TCPIP**



**CR 131  
Flameproof**

## PROCESS INDICATOR

All New Process Indicator is designed for various Clean Room Applications & Warehouse Monitoring

- 5 inputs (4-20mA/0-10V/0-1V) for various parameter display.
- RTC with HH:MM with continuous synchronisation with Server Time
- Digital inputs directly controlled from DDC with Signal Logic Levels of 0V & 24V @ 10mA
- RS 485 MODBUS RTU Communication, Alarm buzzer



AVAILABLE IN PANEL MOUNT and FLAMEPROOF ENCLOSURE (50mm Depth for installation in Pre-fab panel)



**OPTIONAL OUTPUTS : RS485 / 4-20 mA , 0 - 10 V, TCPIP**

## DIFFERENTIAL PRESSURE INDICATOR



**DPI 101**

- 21CFR Part 11 compliant
- Displays Differential Pressure
- High accuracy
- Fits Standard 114mm Round Cutout
- Hi & Lo Alarm with Relay Contact
- Integral High Stability Pressure Sensor
- Records Max and Min Values
- Software calibration
- 24 V DC operation
- SCADA interface through RS 485 MODBUS Communication

**OPTIONAL OUTPUTS : RS485 / 4-20 mA , 0 - 10 V, TCPIP**



**DPI 102**

Wall Mount

### Applications:

- Clean Room monitoring
- HVAC Filter Monitoring / Status Alarm.
- Fan Pressure Indication, Fan Failure Interlock
- Duct Static Pressures monitoring & Alarm
- Damper & VFD Control.

**Cleanroom Instruments**

## AHU FILTER MONITOR



- Monitoring and Tamperproof logging of the Data on SCADA with 21CFR Part11 compliance
- Microprocessor based design with advanced fault tolerant design
- Advanced Self calibration algorithm
- 3-digit High Brightness LED display with Annunciation LEDs
- 3 in-built sensors
- Software programmable units of measurement
- RS 485 MODBUS Protocol
- Record of Minimum & Maximum DP
- 1 Alarm Relay contact (OPTION)
- Extremely compact enclosure 39 mm depth for installation in prefab panels
- Enclosure: AHU Mounting Powder Coated Box

**OPTIONAL OUTPUTS : RS485 / 4-20 mA , 0 - 10 V, TCPIP**

## 2 WIRE DIFFERENTIAL PRESSURE TRANSMITTER

- Very High sensitivity
- Suitable for very low pressure measurements
- True 2 Wire Transmitter
- Rugged construction
- Compact size for installation in partition panels
- High Accuracy Sensor
- Temperature Compensated
- 12 to 30 V DC Power supply
- 4 - 20 mA DC Output



**PTX 106**



## FLAMEPROOF GPS WIRELESS CLOCK



Slave

Master

Slave

- Powerful, Industry Standard Wi-Fi / RS485 / Ethernet Communication
- Large Display with Built in Stopwatch
- Automatic Time & Date Synchronization of all Clocks.
- Stopwatch function** for Batch time / Event duration monitoring
- 8 User Programmable Alarms for specific days of the week.
- 4 Digital Inputs for Fire / Gas leak / Flooding / Emergency Alarms
- 1 Relay for Hooter / Reminder Alarm and 1 for Time Switch
- RTC with built-in Battery Backup
- Automatic Brightness Control of the display.

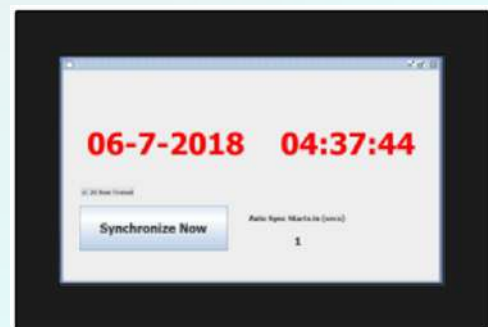
**TCPIP**

**RS485**

**WIRELESS**

## DIGITAL CLOCK WITH SERVER SYNCHRONISATION

OPTIONS : Rs485 / WIRELESS / ETHERNET



**Available in 4 Digits & 6 Digits HMI with Sync Software**

**Also available with PC Software**

## SCADA / EMS

### RS485 / Ethernet



Cleanroom Instruments

### SCADA -Supervisory Control and Data Acquisition

- Strict Access Control including Audit Trail, Electronic Records and Electronic Signatures in line with FDA 21 CFR Part 11
- Alarming of critical environmental and equipment out of specification events
- Trend monitoring
- Monitoring and historical logging of GMP critical environmental parameters including:
  - Temperature
  - Humidity
  - Pressure
  - Particle Counts
  - Energy Monitoring
- Monitoring and historical logging of GMP critical equipment including:
  - Refrigerators
  - Freezers
  - Incubators & many more

## PH/ORP/DO/ISE ELECTRODES FROM VAN LONDON CO., U.S.A

3000 TYPES OF PH ELECTRODES FOR EVERY APPLICATION



Van London Company established in 1961 by Gregory S. Van London, has been dedicated to providing products & services to meet or exceed customers' expectations. With their 50 plus years of manufacturing and applications expertise, and their continual process of improvement and innovation, they are delivering a wide range of **pH, ORP, ISE, DO Electrodes**, to the complete satisfaction of their customers.

Their new innovative **Green GX V Glass, Solid Polymer Reference and Z Gel Open Pore Reference** are standing examples of their commitment to innovation.

**JUST THINK GREEN** for the best pH Glass Formula

Sensors

## CONDUCTIVITY CELLS



Sole Distributors in India:

**VAN LONDON Co., U.S.A**

## SENSORS FOR CLEAN ROOMS



- Wide Measurement Range
- RH: 0 to 100% RH
- Temperature: - 40 to + 60°C ( Optional: upto 100°C)
- High Accuracy: 1.8% RH; & 0.3 °C
- Low Drift, High Stability Sensor made in Switzerland.
- Splash proof construction with Protection filter
- Temperature Compensated
- Compact construction: 16 mm Dia x 120 mm long
- Independent 0 -10 V & 4-20 mA Outputs\* for RH & Temperature
- Integral 1 m cable
- Attractive pricing

\*Factory Configured



**Sensors**



### Clean Room Monitoring

- HVAC Filter Monitoring / Status Alarm
- Fan pressure indication, Fan Failure Interlock
- Duct Static pressures monitoring & alarm
- Bi-direction ranges - ideal for sensing fluctuating building pressure
- Airflow measurements in ducts (Option)
- Damper & VFD control

Duct Mount sensors also available

## RH+T SENDOT WITH DETACHABLE CONNECTOR



## VELOCITY / DEW POINT SENSORS



Low angular dependence  
Easy installation  
Adjustable to application requirements

### Applications:

HVAC  
Process and environmental control



## ONLINE OPTICAL DO METER & SENSORS



**Turbidity  
Sensor**



**Optical  
DO Sensor**

Wireless multi parameter Water Quality Monitoring Systems

- This sensor is based on Optical Fluorescence lifetime quenching technique
- Its technical procedure meets ASM D888-09 standard for optical sensing of Dissolved Oxygen
- Digital Communication capabilities allow to integrate into various platforms quickly & easily

## LAB OPTICAL DO



- Wireless multi-parameter water quality monitoring system.
- The system can monitor dissolved oxygen, conductivity, turbidity, pH, and Temperature simultaneously through wireless networks.
- The data collected by various sensors can be monitored in-situ remotely.
- The system can be powered up by either 110/220V AC power or by solar panels.

## GLOVE PUNCTURE DETECTOR



- State-of-the-art instrument designed specifically for Hospitals
- Allows Surgeon to know puncture in the gloves
- Alarm when glove is punctured
- 'OK' Status if glove is OK

## SURGEON'S PANEL



- State-of-the-art instrument designed specifically for Hospitals
- Allows Surgeon to know the environmental conditions of Operation Theatre
- Allows them to control the lights in the theatre
- Synchronised time display to let the surgeons to know the exact time
- Complies with 21 CFR Part 11
- Complete Stainless Steel enclosure adhering to clean room practices

## CALIBRATION EQUIPMENT

Equipped with Standards and Instruments for best performance  
 Guaranteed for their accuracy and performance by National Institute of Standards & Technology, USA  
 Calibrations done with Calibration Certificates  
 We also supply Calibrators (mV, RTD, Loop) as per Standards



**mV  
CALIBRATOR**

Range : -1000 to +1000 mV  
 RTD  
 Simulation : 0°C, 25°C, 100°C  
 Applications :  
 Calibration of pH /  
 ORP Meters



**RTD  
CALIBRATOR**

Range : -100 to +400°C  
 12 Point Simulation  
 Applications :  
 Calibration of  
 Temperature Indicators



**0 - 10V  
CALIBRATOR**

Range : 0 to 10V  
 Dual Polarity Calibrator  
 Application: For Calibration  
 of Process Instruments



**LOOP  
CALIBRATOR**

Range : 0-16 mA and  
 4-20 mA Calibrator  
 Application:  
 Calibration of Current Loops

## PRESSURE TRANSDUCERS / TRANSMITTER SERIES



The pressure transducers/transmitters are specially designed according to the requirement of water treatment, air compressor, industry, They are widely used in the field of frequency pump, water supply and air condition engineering etc. It provides excellent performance and long term stability

Excellent performance and long term stability  
 Compact size for easy installation  
 High resistance to frequency interference and surge impact

Calibrators & Calibration

Pressure Transmitters

## SIGNAL CONDITIONERS

### Signal Conditioner for Pressure, Temperature & Flow



Global Electronics offers high performance, high reliability, cost effective Signal Conditioners with multiple outputs for wide variety of Analog and Digital sensors used in the measurement of the following:

- Temperature
  - Thermocouples
  - RTD's
  - Semiconductor Sensors
- Pressure / Strain Gauge
- Charge
- Flow / Level
- Frequency
- Voltage / Current

#### FEATURES

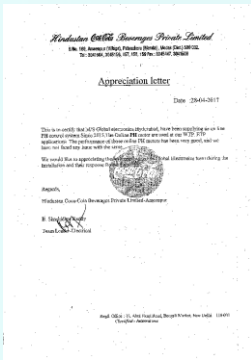
- High Input Impedance & High CMRR for high Accuracy
- Wide Bandwidth, fast response.
- Input Output Isolation to minimize Ground loop Errors
- Multiple buffered Outputs to connect them to different systems to enhance System Reliability.
- Analog & Digital outputs
- Highly Stable Excitation Source for Pressure / Strain Gauge & RTD Sensors
- Gains Selectable from the Front Panel
- Filters: Selectable LPF & BRF for better accuracy in Noisy Environment.

## CUSTOM BUILT SYSTEMS

- Plant wide Clean Room Monitoring & EMS Systems
- Fermentation Control System
- Waste Water Treatment Automation for Plating plants
- Gas Incinerator System Automation
- High Power Controlled IR Heating System for Simulation Studies of large objects
- Vacuum Tray Drier Automation
- Solvent Recovery Column Automation



# Letters of Appreciation



## Spreading Our Wings Our World Wide Installations



**AN ISO 9001:2015 COMPANY**

**GLOBAL ELECTRONICS**

**3-5-331, NARAYANGUDA, HYDERABAD-500029. INDIA**

PH:+91 40 2322 1391,2322 6687 Mob: +91 98499 85306 email:[info@ge-india.com](mailto:info@ge-india.com) URL:[www.ge-india.com](http://www.ge-india.com)