



Your Partner For Instrumentation & Automation



AUTOMATION



INSTRUMENTATION



IIOT SOLUTIONS



ELECTRICAL



www.hitech-controls.com

ABOUT HITECH CONTROLS CONTROLS PVT LTD

Hitech Controls Pvt Ltd is specialized in offering application based solutions in Instrumentation, Automation & electricals with energy management solutions which bring the best products & solutions to our customer's door step.

The industries we serve are Chemical, Pharma, Power, Water, oil & gas considering end users, OEM's & Integrators.

Our business area covers consultancy, design, engineering, commissioning & Installation of complete turnkey Projects.

The Product & Solutions portfolio of HITECH CONTROLS PVT LTD may broadly be classified as under

- ◆ Turnkey Solutions
- ◆ Process Automation Projects & Services
- ◆ Field Instrumentation (Sensors, Transmitters, Controllers & Recorders, Smart Positioner, I to P Converter, Universal Hart Communicator, Liquid as well as Gas Analyzers)
- ◆ IIOT Solution
- ◆ Detail Engineering
- ◆ EMS Solution
- ◆ Plant Integration
- ◆ Batch Automation
- ◆ Electrical & Instrumentation Panel Manufacturing
- ◆ Pharma Clean/Smart Room Solutions
- ◆ AMC for DCS/PLC/Instrumentation

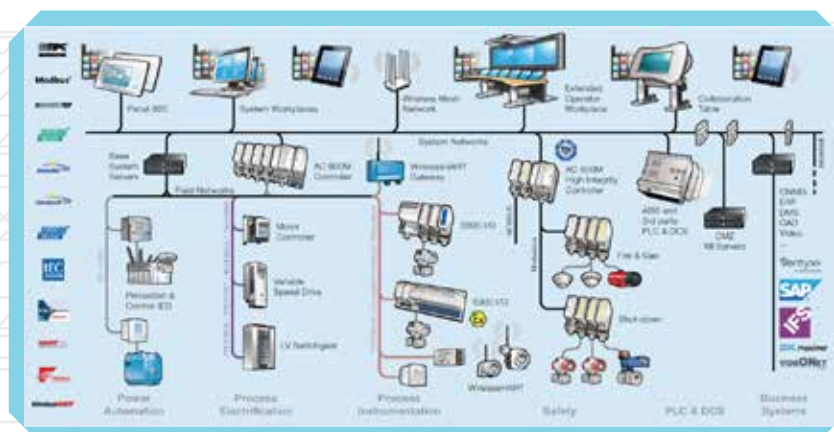
TURNKEY SOLUTIONS

- ◆ Turnkey Solutions for Instrumentation & Automation
- ◆ Application based Solutions for Chemical, Pharma, Power, Water Oil & Gas
- ◆ Detail Engineering of complete Project
- ◆ Supply of Instrumentation, VFD, and Automation panels
- ◆ Retrofitting, modernization of old Plants

PROCESS AUTOMATION PROJECTS & SERVICES

DCS/PLC/SCADA

- ◆ We are turnkey solution Provider for various applications with DCS/PLC & SCADA system along with IMCC
- ◆ Integration of any third-party PLC/DCS with centralized controls with industry 4.0 & clouds based solutions
- ◆ Smart factory Automation
- ◆ Solar Automation
- ◆ Level-2,3 & Level-4 solutions like MES & EMS.



IIOT SOLUTION

- ◆ Line Integration
- ◆ Centralized data connectivity of DCS/PLC with cloud.
- ◆ Real time monitoring of Process data remotely.
- ◆ SAP connectivity with DCS/PLC
- ◆ Energy management system.



INSTRUMENTATION & SOLUTIONS

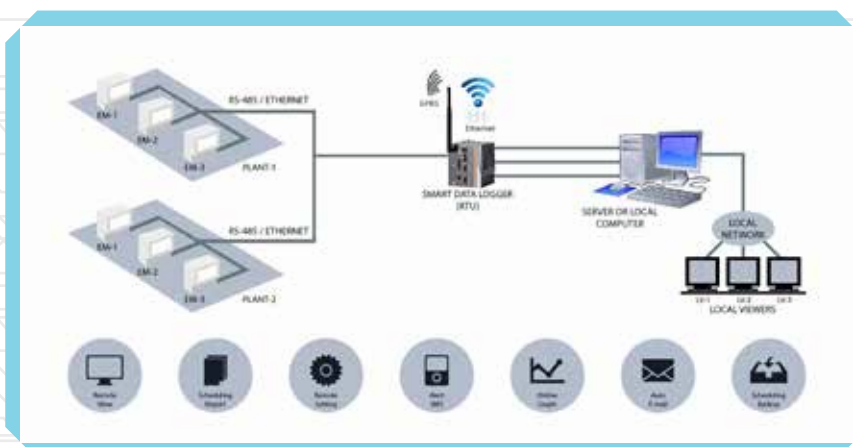
- ◆ Supply of all type of transmitters, Single & Multi Loop/PID controllers, Gas analyzer I/P converters, Positioners
- ◆ All type of Pressure transmitters (Gauge, absolute and diff pressure smart transmitters)
- ◆ Flow meters (Electromagnetic flow meter, Mass flow meters, Vortex flow meters, swirl flow meters)
- ◆ Temp sensors and smart temp transmitters (DIN, Head mounted and filed mounted with display and without display with HART output)
- ◆ Liquid Analyzers (ph analyzer, conductivity, DO, Silica, Sodium analyzers) TOC analyzers
- ◆ Recorders & Controllers
- ◆ Online industrial UPS
- ◆ Instrumentation Plant Study & Solutions

DETAIL ENGINEERING

- ◆ Detail & Design Engineering of Automation & Instrumentation projects
- ◆ Selection of Instruments like PH, Conductivity, Temperature, Flow, Pressure,
- ◆ Instruments Data sheet preparation
- ◆ PLC selection and specifications of various make
- ◆ PLC, I/O List preparation
- ◆ Control and instrumentation wiring Diagram preparation

ENERGY MANAGEMENT SYSTEM

- ◆ Our solutions can integrate any brand of meters up to 500 no's of devices in a single license
- ◆ Local or Server based software to view from any computer or network PC & connectivity with SCADA
- ◆ Customized & different types of reports, Trends & event generations
- ◆ Variety of online data representation with different types of report sheets with programmable
- ◆ Tariff Graphical representation
- ◆ Multiple Protocols supported like RS485/232 Ethernet etc



PRESSURE & TEMPERATURE

SMART PRESSURE TRANSMITTER

Application : Liquid and Gas, Very Deep water reservoir etc.
High Temperature, Version as optional
Accuracy : $\pm 0.06\%$ of URL
Range : Upto 1400 bar
Op Temp : 80 deg C (150deg C for high temp)
Housing material : AI/SS
Wetted Material : SS316L/SS304/Hatelloy C/
 Titanium/Gold plated on SS
Output : 4-20 mA/HART/RS485/USB Port/
 Foundationfield bus/Profibus
10 years Stability : 0.15 % of URL



TEMPERATURE SENSORS

Applications : Temperature Measurement in Liquids, Solids, Gases, etc.
Type : RTD / Thermocouple
 Simplex / Duplex
 2-wire / 3-wire
Measuring Range : Max 600 deg C for RTD /
 1100 deg C for
 Thermocouple
Immersion Length : Customer Range With/
 without Thermo well



FIXED PRESSURE TRANSMITTER

Application : Pressure Measurement in Liquids,
 Gas etc.
Range : 0-200 bar/600 bar
Op temp : 125 deg C
Material of construction : SS
Output : 0-5 mV/0-10 mV/4-20 mA/0-20mA
Accuracy : $\pm 0.25\%$



DIN RAIL TEMPERATURE TRANSMITTER

Application : Temperature Measurement in Liquids, Solids, etc.
Range : -200 to 850 deg C for RTD
Type : DIN RAIL Mount Type
Universal Inputs : T/C/RTD/mV/Linear
 Current etc.
Output : 4-20mA (2-wire)
Accuracy : $\leq \pm 0.5\%$ for PT100, $\leq \pm 2\%$
 for Thermocouple
Communication : HART/FF/PF



DIFFERENTIAL PRESSURE TRANSMITTER

Application : Flow, Level, Pressure
 Measurement in Liquids,
 Gases, etc.
Turndown Ratio : 100:1
 Various Diaphragms
 material available
Output : 4-20mA, 2-Wire type
Display : 6-digit LCD Display
Communication : HART/Foundation filed bus/
 Profibus
Accuracy : 0.06% of URL (Optionla: 0.04%)
Rang : 0.5 mbar to 160 bar



HEAD MOUNTED TEMPERATURE TRANSMITTER

Application : Temperature Measurement in Liquids, Solids, etc.
Range : -200to -850 deg Cfor RTD , 250 to
 1820deg C for Thermocouples
Universal Type : Multi – Signal input (E.g. T/C,
 RTD, etc.)
Types of Thermocouple Input : B,E,J,K,N,R,
 S,T
Display : LCD Display with 3- Push Buttons/
 Without Display Output 0-20 mA/
 4-20 mA
Communication : HART /MODBUS as
 Optional $\leq \pm 0.5\%$ for PT100, $\leq \pm 2\%$ for
 Thermo couple



PRESSURE SWITCH

Application: Pressure Detection for automobile
 Fire-Fighting, Air-Compressor, Medical
 Equipment etc.
Range : Upto 100 bar/600 bar
Op Temp : 100 deg C
MOC : Zinc plated steel /SS316L/Brass
Membrane Material : NBR, Viton, EPDM
Output : Relay output
Protection: IP 67



LEVEL INSTRUMENTS

ULTRASONIC LEVEL TRANSMITTER

Applications : Level Measurement for mainly in water, chemicals, slurries, solids, etc.
Range Liquids : 3 M, 4 M, 6M, 15M, 30M
Power Supply : 230 VAC/24 VDC & 4- wire / 2- wire
Sensor Material : PVDF /PTFE
Op Press : 3 bar, Op Temp : 40 deg C to 60 deg C to 80 deg C
Output & Communication : 4-20 mA, HART, Relay, FF/Profibus.
Display : 4-Digit LCD Display
Housing : Plastic, Nylon, Cast Aluminum, etc.
Type : Integral and remote
Blocking Distance : 300 to 500 mm
Accuracy : +/-0.5% / +/-0.25 / +/- 0.2



ELECTROMECHANICAL LEVEL TRANSMITTER

Application : Cement, Silo, Mining, Chemical, etc.
Measuring Range : Max. 90 meter Auto, Manual, intelligent and External Trigger Start etc.
Output : 4-20 mA /PNP/NPN/Relay Communication
 RS485 MODBUS
Alarm : High /Low level
Protection : IP 68
 Card Break Alarm

RADAR LEVEL TRANSMITTER

Application : Level Measurement in Liquids and Solids suitable for Harsh Environment
Range : 10M, 5M, 30M, Max. 70 Meter in Solids & liquids
Output & Communication : Profibus PA, Foundation Fieldbus
 4 ... 20 mA/HART - two-wire Modbus
 4 ... 20 mA/HART - four-wire
Op Press : 40 bar /400 bar
Op temp : 250 deg C / 400 deg C
Antenna Extension : - Upto 400 mm, Air Punge and Alignment Devices
Approval : FM, XP, IS, etc.
Accuracy : +/- 2 mm
Special version : High temperature (Max: 1000 deg C)



MAGNETOSTRICTIVE LEVEL TRANSMITTER

Application : Water & Waste water treatment, chemical, food and pharma, Crudeoil, natural Gas, etc.
 Mainly For Dual Face Measurement
Type : 2 wire/4 wire
Measuring Range : 304.8mm to 15.24 mtr
Op Press : 30 bar , Op Temp :200 deg C
Housing material : SS304/SS316L
Protection : IP 67
Output & Communication : 4-20mA HART7®

GUIDED RADAR LEVEL TRANSMITTER

Application : Level measurement in Liquids and Solids
 Replacement for Displacer and By-pass Level Transmitter
Range : Max 30 meters for rope / 6 meters for Rod
Type : Flange/Thread
Op Press 40 bar and Temp : 250 deg C, 400 deg C
Output & communication : 4-20 mA/HART, 2-wire/4-wire
Approval : FM, XP, IS, etc.



BY PASS LEVEL TRANSMITTER

Application : High Pressure, High Temperature, Strong acid, Strong Alkaline, etc.
Principle : Hydrostatic measurement Heating Jacket installation, available
MOC : PP + Fiber ;ss316, Aluminium, etc.
Float material : SS/PP/PVC/PVDF Output 4-20 mA

CAPACITANCE LEVEL TRANSMITTER

Application : level Measurement in Liquids, Power and Solids, etc
 Unaffected by Pressure, Sound Waves and Temperature
Range : Max 50 meters for Roe / 4 meters for Rod Probe (PFA/PTFE Coated)/Rod type
Op. Press 40 bar & Temp : Upto 200 deg C Temperature Compensation in Build
Output : 4-20mA Loop Power 4 Digit LCD display
Accuracy : +/- 1%



HYDROSTATIC LEVEL TRANSMITTER

Application :
 • Fill level detection in storage and fermentation tanks
 • Level control in dosing, mixing and packaging installations
 • Liquid density measurement (with two sensors)
Features :
 Flush membrane with 3-A sanitary standards (FDA-compliant) and EHEDG
 Resistant to all common CIP cleaning media and SIP-capable (150 °C max, < 30 min)
 Versions available for high media temperatures (200 °C)
 Built in graphical display (CombiView DFON Optional) and programmable by touch screen or with FlexProgrammer 9701
 Optionally available with additional relays and 4 ... 20 mA with HART Available with optional ATEX approval (4 ... 20 mA output signal)

MAGNETIC FLOAT LEVEL TRANSMITTER

Application : Level Measurement for Waste water Treatment
 Electric Power Plant, Shipping, etc.
Op. Press : 30 bar ,Op. Temp : 200 deg C
MOC : PP + fiber: SS316, Aluminum etc.
Float Material : Ss/PP/PVC/PVDF
Output : 4-20 mA



FLOW METER

ELECTROMAGNETIC FLOW METER

Application : Water/waste water, chemical, food, and pharma etc.
 Conductivity >5microS
 Version compact/remote/hygienic
 Line size DN10-DN3000
Liner : Hard Rubber/PTFE/PFA (fully flared with flanges)
Electrode material : SS, Hastelloy C, Titanium, Tantalum, Platinum-iridium
Velocity : 0.01m/s to 10m/s
Accuracy : 0.2% to 0.4%
Op Press : 40 Bar, OpTemp: 60deg C/135deg C/150deg C
Output and communication : 4-20 mA, Pulse/HART/RS485/GPRS/GSM
Housing : Flow Tube is completely welded
Protection : IP 65/67/68
 3-line display with Back-lit and password protection
 Display Parameter (flow rate, Totalizer, Velocity % of flow, mV, empty pipe alarm etc.)
 Power supply 370 V AC/24 VDC/Battery Operated



CORIOLIS MASS FLOW METER

Application : Measurement of massflow and volumeflow, density, temperature and concentration with only one meter with minimal investment costs
Line Size : DN 6 to DN 150
Sensor Material : 1Cr.18Ni9Ti/SS316L
Op: Press : 40 Bar, Op-temp: 200 deg C
Output : 4-20mA, 5 modular I/Os, HART 7.1, PROFIBUS DP, Modbus
Display : Current flow and Totalizer Temperature, Density and so on
Version : Compact / Remote
Power Supply : 24 VDC/ 250 VAC
Ex approvals : ATEX zone 0/1/2, cFMus Div 1/2 and zone 0/1/2



VORTEX FLOW METER

Application : water, chemical, air, gas, steam, etc.
Version : Compact/Remote/Insertion
Line size : DN10 to DN500
Electrode Material : SS316L, Hastalloy, Platinum and Iridium
Accuracy : +/- 0.5%, Calibrated as +/- 0.2%
Op Press : 25 Bar, Op temp : 450 deg C
Output & communication : 4-20mA Pulse, 2 wire/3 wire /485/HART
 Exproof by default
 Extended rod – to protect electronics
 Display 4 line with push button
Power supply : 12-24 V DC/2 wire/3 wire/battery operated
 Temperature /Pressure compensation as optional.



THERMAL MASS FLOW METER

Application : Bio gas, steel, petroleum
Line size : DN 25-DN2000
Type : Inline/Insertion
Inline : DN25-DN2000
Insertion : DN 40-DN 2000
Op pressure : 25 bar, Op temp : 120 deg C
Output & communication : 4-20 mA/RS 485/ HART
Protection : IP 65/IP 68
Accuracy : +/- 0.5% to +/- 1%



ULTRASONIC - CLAMP - ON FLOW METER

Application : Water, waste , chemical, etc. for larger diameter, no need to cut the pipe
Line size : DN 15 to DN 6000
Type : clamp on/insertion
Mounting : Wall/Panel mount/Portable
Op Temp : 70 deg C/90deg C/160 deg C
Display : 2- line LCD with Back lit
Protection : IP 65/67/68
Approval : APTEx /FM
Pipe material : CS/SS/PVC/Cast Iron/Brass/Aluminum etc.
Output & communication : 4-20 mA Frequency / RS 485/232
Accuracy : +1%
Power supply : AC/DC/Battery operated.



TURBINE FLOW METER

Application : water, waste water, petrol, chemical, metallurgy, gas, etc.
 Bio Direction flow measurement
Line Size : DN 4 to DN 200 MOC Aluminum Alloy for DC supply and SS304 for battery operated
Op Pressure : 25 bar □ange type & 63 bar
Op temperature : 20 deg C to 120 deg C
Power supply : 5-24 VDC/Battery Operated (3.4V)
Output : - 4-20 mA, Pulse 2- wire
Accuracy : +/- 1%



ULTRASONIC - IN - LINE FLOW METER

Application: Pressure Detection for automobile Fire-Fighting, Air-Compressor, Medical Equipment etc.
 Range : Upto 100 bar/600 bar
 Op Temp : 100 deg C
 MOC : Zinc plated steel /SS316L/Brass
 Membrane Material : NBR, Viton, EPDM
 Output : Relay output
 Protection: IP 67



MUTI - J ET/AMR COMPATIBLE MUTI - JET METER

Protection : IP 68
Pressure rating : 10 bar
Operating Temperature b : 50 deg C
Internal mechanism : Dry type
Accuracy : +/- 3%at max flow, +/- 5 % at min flow
Marking : CE marking
Certification : ISO 4064
Flow rate :
 15 mm: Min: 30L/h-Max: 3 m3/hr
 20 mm: Min: 50L/h-Max: 5 m3/hr
 25 mm: Min: 70L/H- Max: 7m3/hr



ELECTRO-PNEUMATIC SMART POSITIONER AND I TO P CONVERTOR

SMART DIGITAL POSITIONER :

For highly accurate and reliable positioning of valves in all sectors

- ◆ Digital HART communication
- ◆ Easiest commissioning and operation on site due to local operation and auto adjustment
- ◆ Worldwide Intrinsic Safety approvals
- ◆ Robust design and flexible in use with linear and rotary actuators
- ◆ Remote sensor version
 - Advanced vibration resistance 2 g, 300 Hz
 - Protection class IP 67
- ◆ Wide temperature range : -40to85°C(-40to185°F)
- ◆ Fail Save and Fail Freeze function : Selectable safety position of the fitting
- ◆ Low air consumption : Highly efficient I/P converter



I TO P CONVERTOR :

Electro-pneumatic signal converters are the link between the control rooms and pneumatic actuators. The type I/P Converter with various housings is available for cabinet installation, field installation, rail installation and as slide-in type. The signal conversion is based on standard signals. Current signals 0/4 ... 20 mA are converted to pressure signals 0.2...1 bar or 3...15 psi.



UNIVERSAL HART COMMUNICATOR

ABB Hart communicator supports Universal, Common Practice, and Device Specific commands for commissioning, configuration, and maintenance operations.

provides a full view of device information in a 6 line easy to read display, allowing up to 100 hours of continuous use before recharging.

Some unique features

Fast Power On – 10 Seconds

- Backlight display allows you to work even in remote areas
- Forget expensive license renewal !-- DHH805 works with HART® DDs that you can download free of charge directly from the HART-Foundation website.
- 2 GB SD memory will allow you to store as many HART® DDs as needed (up to 1000) along with 200 separate device configuration files.



LIQUID ANALYSER

PH/ORP ANALYZER

PH/ORP Indicator/Transmitter/controller 2-line, 16 character back-lit display 0/4-20mA with relay Output
Mounting : Panel and pipe mounting
pH Value : 0 to 14
Communication : RS232/HART Temperature Compensation as Optional, FF, Pofibus PA (2wire and 4 wire)
Accuracy : +/- 0.1%
Sensor Mounting : Convertible, insertion and sanitary
Op Press : 0-6.9 bar Op Temp : 0-105 deg c
Coaxial cable : 4.5 meter Standard/Max.
10 Meter Power Supply : Universal Power Supply



CONDUCTIVITY ANALYSER

Measure the Conductivity of the liquid
 Panel Mounting with 2 line Back lit Display
Range : 0-200mS
Output : 0/4-20 mA Output with Relay Temperature Compensation is optional
Communication : RS232/HART
Probe length : 10m for Digital / 6 M for Analog
MOC for Sensor : SS316,PVDF
Version : Standard/High Temperature(80 deg C)



DISSOLVED OXYGEN ANALYSER

Type : Online/Portable
Measuring Range : 0 to 2000ppb
Op Press : 1-20 bar Op
Temperature : 50 deg C Sensor cable 10 meter
Wetted material : Probe Foamed Noryl and SS316L Manual / Automatic Temperature Compensation



TURBIDITY ANALYSER

Turbidity Measurement in Liquids, Solids This is only the color interdependent Measurement
Measuring Range : 0.001-4000 NTU in Liquids ,0.001-50g/L in solids Self -Cleaning System is available as optional
Op Pressure: 6 bar ,Op
Temperature :0-40 MOC of Sensor PVC / SS316L
Output: 4-20 mA/Relay/PID etc.
Communication : MODBUS (RS485/RS232)
Cable Length : 10 Meter Standard In built Data Logge



CHLORINE ANALYZER

It is used to monitor water continuously for free or total Residual Chlorine.
 Independent Measurement from
Temperature : Pressure, Change in pH value etc.,
Measuring Range : 0-5 mg/L It has the Display Unit
Sample Flow Rate : 200-500 ml/min.
Output : 4-20ma, Isolated Recorded output/Relay
Accuracy : Better than + -5%



AIR ANALYZER

SPECIFICATION

Product Name	Principle	Key parameter
SO2 Analyzer	Ultra violet Fluorescence	Range :0-50ppb to 0-20ppb (Dual range & auto range supported) Noise: <0.2ppb (RMS) Detection limit:<0.4ppb
NOX Analyzer	Chemiluminescence method	Range :0-50ppb to 0-20ppb (Independent range & automatic range supported) Noise: <0.2ppb (RMS) Detection limit:<0.4ppb
O2 Analyzer	Ultraviolet absorption method	Range : 0-100ppb (Independent range & automatic range supported) Noise: <0.5ppb (RMS) Detection limit:<1ppb
CO Analyzer	Gas Filter Correlation Method	Range :0-1ppb to 0-1000ppb (Independent range & automatic range supported) Noise: <0.02ppb (RMS) Detection limit:<0.4ppb
Particulate Analyzer PM25 & PM10	B ray Absorption Technique	Range :0-1, 2, 5, 10 mg/m3 (May be adjusted) Resolution: 0.001mg/m3 Detection limit: 0.001mg/m3 Zero Source Temperature: <1%F.S./10- Range Source Temperature: <1%F.S./10-
Zero Gas Generator		Max Concentration : NO<0.025ppm; HC<0.25ppm; NO2<0.025PPM CO<0.01PPM(Selected) SO2<0.025ppm; Dew Point: Dew Point O2<0.3ppm; Temperature of H2O<0.25- CH4<5ppm;
Dynamic Calibrator		Flow rate measuring Accuracy: +/-1% F.S. Flow rate Controlling Reproducibility: +/-0.2% F.S. Flow rate measuring Linearity: +/- (0.5-1)% F.S.

OTHER PRODUCTS

- ◆ Silica Analyser
- ◆ Hardness Measurement
- ◆ Phosphate Analyser etc.

ONLINE WATER ANALYSER

SPECIFICATION

Method	UV Spectroscopy
Scan the sample between	180nm to 800nm
Measuring Range	COD :0-500 mg/l up to 0-20000 mg/l (other ranges are available upon request), BOD :0-100mg/ up to 1,0000 mg/l (other ranges are available upon request)
Analyzer Type	Cabinet Type & Multiparameter
Memory	SD card 16GB
Flow	0-5L/min
Pressure	0-5 Bar
Temperature of the sample	0-50 deg C
Response time	<10 sec
Power supply	100-240 VAC 50-60Hz or 24VDC
Consumption	<20W(60Wmax)
Communication	RS232,RS485,ETHERNET,USB
Cleaning Methods	Auto cleaning
Display	8.5" TFT color screen
Certification	ICE 61326
Maintenance Interval	Recommended : 3 month to 1 year
Enclosure	IP 65
Type	Wall Mounted
Material	SS316L
Dimensions	220mm*300mm*80mm(H*W*D)



CONTINUOUS EMISSION MONITORING SYSTEM (CEMS)



SPECIFICATION

Items		specifications	
Gaseous Pollutant	SO ₂	(0-300-5000)ppm	
	NO/NOX	(0-300-3000)ppm	
	O ₂	(0-30)%	
	CO	(0-1000)ppm, (0-100)%	
	CO ₂	(0-100)ppm, (0-20)%	
	HCl	(0-7-8000)ppm	
	HF	(0-1-10000)ppm	
Particulate Concentration	Transmittance:	0-100%,80-100%	
	Opacity:	100-0%,20-0%	
	Extinction:	0-2.5,0-0.1	
	Range	(0-400) ⁰	
	Accuracy	+/-5% F.S.	
TPF	Temperature	Range	(-5-5)
	Pressure	Accuracy	+/-5% F.S.
	Flow Rate	Range	(5-40)m/s
		Accuracy	<=5%

PID RECORDER & CONTROLLERS

ON /OFF CONTROLLER



microP based Power,full and highly reliable controller.
 Universal input RTD,T/C,4-20mA,0-10/0-5 VDC
 On off relay contact output up to 4 Nos.
 Isolated Retransmission 4-20mA x 2 output with 24 VDC TPS
 Available in 96x96/96x48/48x96 size,panel mounted.
 Available in flame proof or SS or MS Enclosures.

PID CONTROLLER



Fully auto-tune facility for errors free operations.
 Universal input T/C,RTD,Linear input selection.
 High degree of functionality and reliability at a competitive price.
 Different control output available like 4-20mA/Relay/SSR etc.
 Available in 96x96/48x48/48x96 size panel mounted.
 Available in fame proof or SS or MS Enclosures.

DUAL CHANNEL PROCESS INDICATOR CONTROLLER



Dual channel universal input in compact housing.
 2 Nos. Universal Input T/C,RTD,Linear Input Selection.
 4 Nos. on off relay contact output for both channel.
 2 Nos. Isolated Retransmission 4-20mA x2 with 24 VDC TPS.
 Available in fame proof or SS or MS Enclosures.

MULTI CHANNEL INDICATOR & CONTROLLER



microP Based Power ,full & highly reliable controller.
 Multiple universal input RTD,T/C,4-20mA,0-10 VDC.
 4/8/12/16/20/24 channel Indicators available.
 Simultaneous all channel display with input isolation
 1 nos. Relay & TPS output for each channel.

UNIVERSAL TEMPERATURE TRANSMITTER LOOP POWERED



Universal input.
 +/-0.1% linear accuracy.
 Font keys con□guration & callibration –no tuning ports.
 Upscale /Downscale selection.
 11.5-32 VDC loop powered supply.
 Panel mounted ,Weather proof or Flame proof housing.

PID RECORDER & CONTROLLERS

DATA LOGGER & RECORDERS



3.5 inch TFT With touch screen control.
 Universal input RTD, T/C, 4-20, 0-10 VDC.
 4/8/12/16/20/24 channel indicators available.
 Onboard 35000 reading per channel storage.
 PC based data acquisition software.
 On board USB Port (Memory stick can be connected with max 8 GB Memory)
 Direct printout to dot matrix printer.

LARGE DISPLAY INDICATOR



Large LED display size 2"/4"/6"/8"/12"/16" available.
 IP-55 and ip-65 housing available.
 Hanging /Rack/Wall/Panel mounting available as options.
 Universal input T/C, RTD, Linear input selection.
 High brightness LED for long distance and better visualization
 All configuration and calibration from front panel keypad.
 Retransmission 4-20 mA available.

LOOP POWER INDICATOR-LED



4-20 mA loop current input with max. 5 digit display.
 Fast Display update rate and bright LED display.
 Linear or square root input selection available.
 Panel Mounted, Weather Proof or Flame proof housing.
 Fully Programmable range with decimal point.
 Loop voltage drop less than 2 volts.

MANUAL LOADER



Front Keys Operation Increment decrements.
 Isolated 0-20mA/4-20mA DC/0-10 VDC and mV Output.
 High Accuracy and stable output.
 Panel Mounted and table top.
 Available in 96x96/96x48/48x96 size, panel mounted.
 Available in flame proof or SS or MS Enclosure.

LARGE TEMP + - RH DISPLAY



Large Display size 2"/4"/12" available.
 Real time display with rechargeable battery backup.
 Hanging /Rack/Wall/Panel mounting options.
 Highly stable built-in or remote Temp + RH sensor.
 Potential free relay contact output upto 2 Nos.
 All configurations and calibration from front panel keypad.

VFD

- ◆ Offering drives of Siemens & ABB, the world leader in AC / DC drive technology.
- ◆ Application based drive selection for various industries like chemical, pharma, power etc.
- ◆ Complete solutions with VFD module & panel
- ◆ Installation & commissioning of VFD.



UPS

- ◆ Hitech Controls brings to you state of the Art UPS and power solution addressing your need for uninterrupted power, racks and accessories, PDU's, aircon and data centre solutions. We provide complete UPS solutions for homes, institutions, telecom companies, IT and ITES, medical sector, manufacturing and hospitality etc.
- ◆ We specialize in complete end to end data centre buildouts encompassing power (UPS-power array), cooling, power distribution, racks, racks accessories. For your requirement of power audits, energy audits, green building certification, energy efficient solutions, BMS — building management systems, we are the solution providers.
- ◆ To cater large industry and medium and large corporate segment we have the entire range of UPS from the range of 500VA to 900 KVA and inverter for home and the office segment.



AMC SERVICES & SUPPORT:

- ◆ Permanent on site maintenance support
- ◆ On call site maintenance support
- ◆ Preventive & Corrective maintenance
- ◆ Spare Inventory Management
- ◆ Control System Additions & Modification

ELECTRICAL & INSTRUMENTATION PANEL

- ◆ Design, manufacturing & supply of all kinds of PLC/DCS marshalling panels
- ◆ All types of instrumentation panels & drives panels
- ◆ IMCC/MCC/PCC panels



ADVANTAGES OF HITECH CONTROLS PVT LTD

- ◆ One Stop Solution for all your computing /analysis needs, be it Management Information System
- ◆ Application based solutions
- ◆ Negligible response time
- ◆ Immediate availability of resources
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