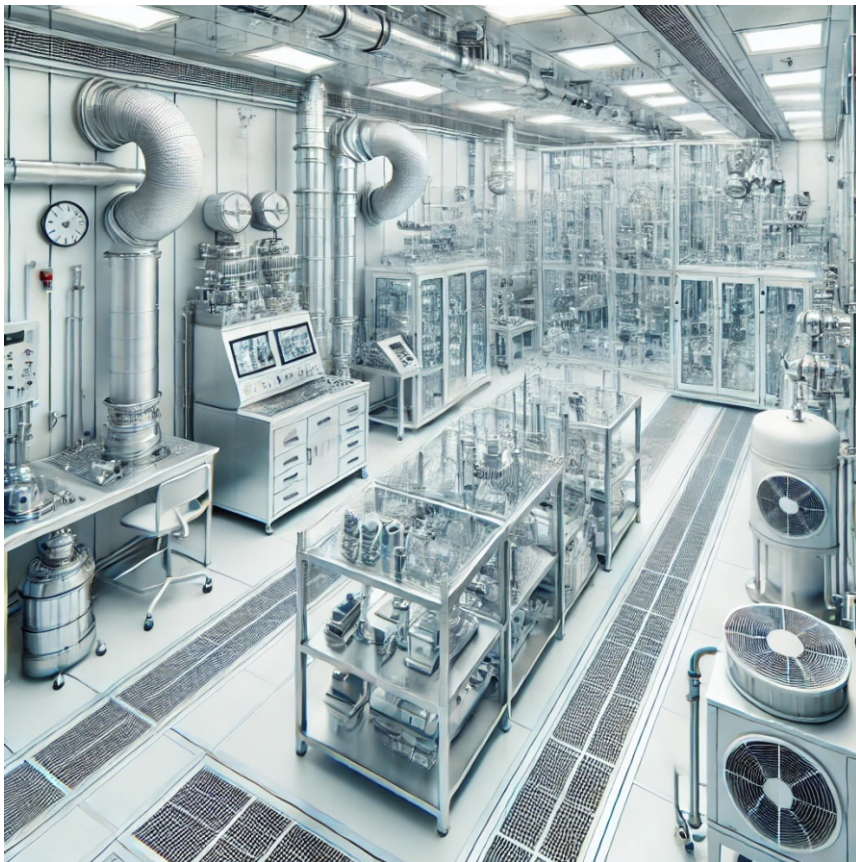


Manufacturers & Exporters

Measuring & Sensing solutions

HVAC / BMS



**Humidity
& Temperature**

**Differential
Pressure**

Air Velocity

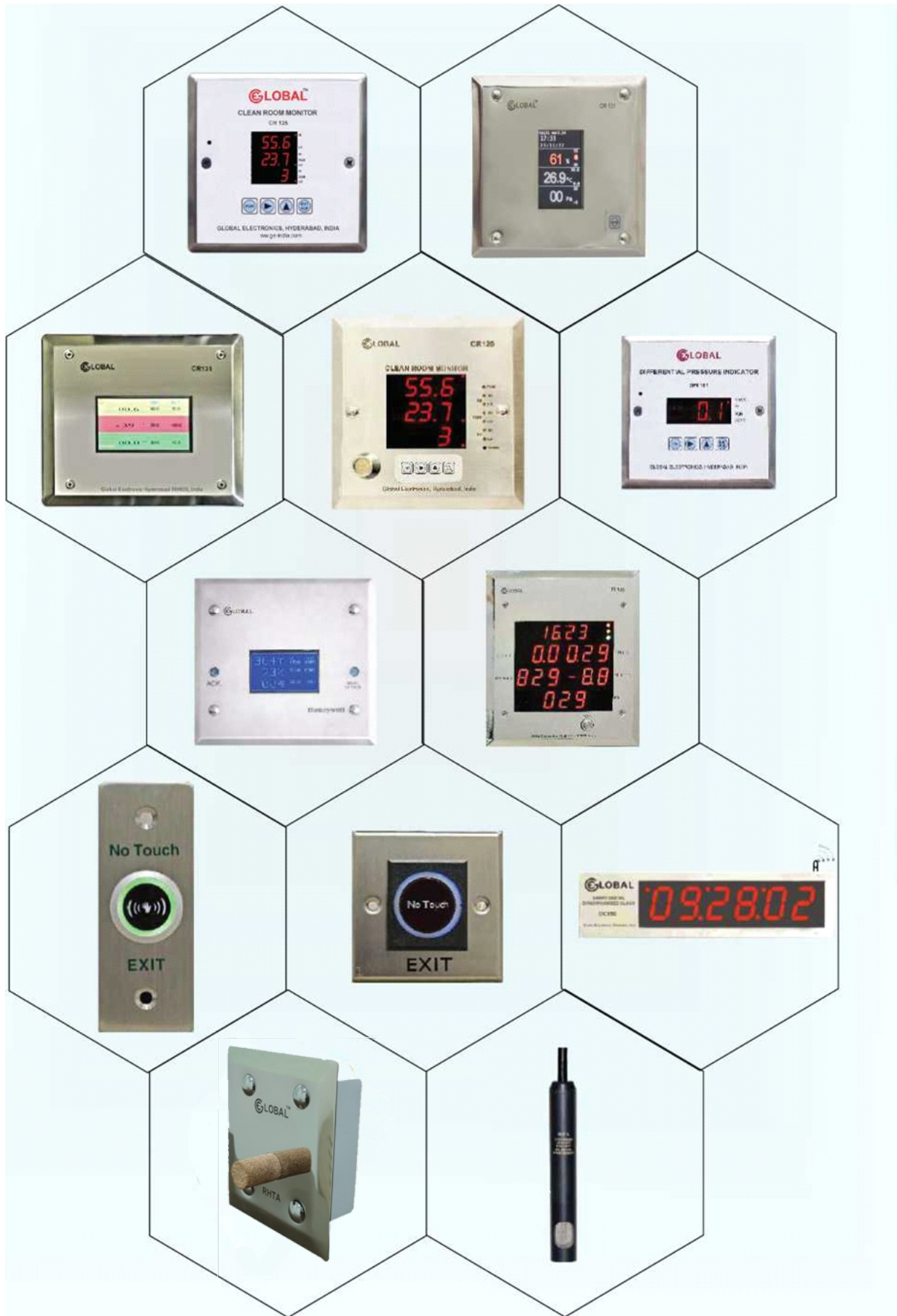
SCADA



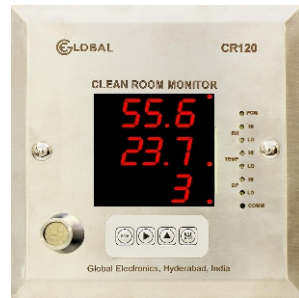
GLOBAL ELECTRONICS

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

PH:+91 40 2322 1391,2322 6687 Mob: +91 98499 85306 email:info@ge-india.com URL:www.ge-india.com



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

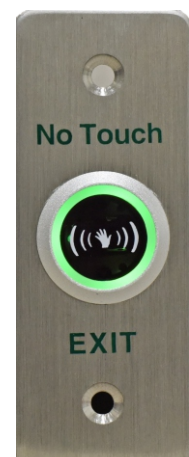


- Power Supply : 24 V DC
- Two Digital Inputs
- Alarm Mute time pre-configured
- Individual Acknowledgement for each Channel
- Alarm Buzzer
- Sleek and compact enclosure with SS Faceplate

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 Flameproof



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

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)

DIFFERENTIAL PRESSURE INDICATOR



DPI 102

- 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



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.

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

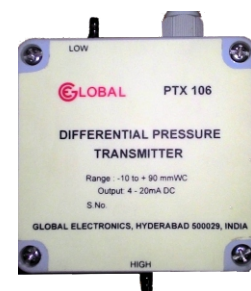
AHU FILTER MONITOR



- 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

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

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

FLAMEPROOF GPS WIRELESS CLOCK

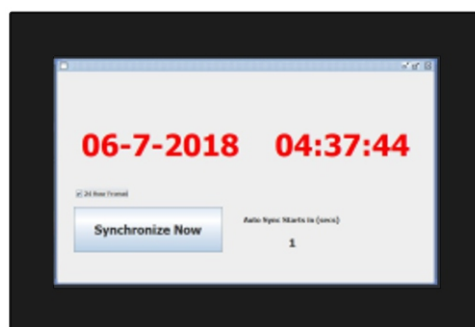


- Powerful, Industry Standard Wi-Fi / RS485 / Ethernet Communication
- Large Display with Built in Stopwatch
- Automatic Time & Date Synchronization of all Clocks.
- Stopwatch function** for Batch time / Event duration monitoring
- 8 User Programmable Alarms for specific days of the week.
- 4 Digital 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.

8

DIGITAL CLOCK WITH SERVER SYNCHRONISATION

OPTIONS : Rs485 / WIRELESS / TCPIP



Available in 4 Digits & 6 Digits HMI with Sync Software

Also available with PC Software

SCADA / EMS

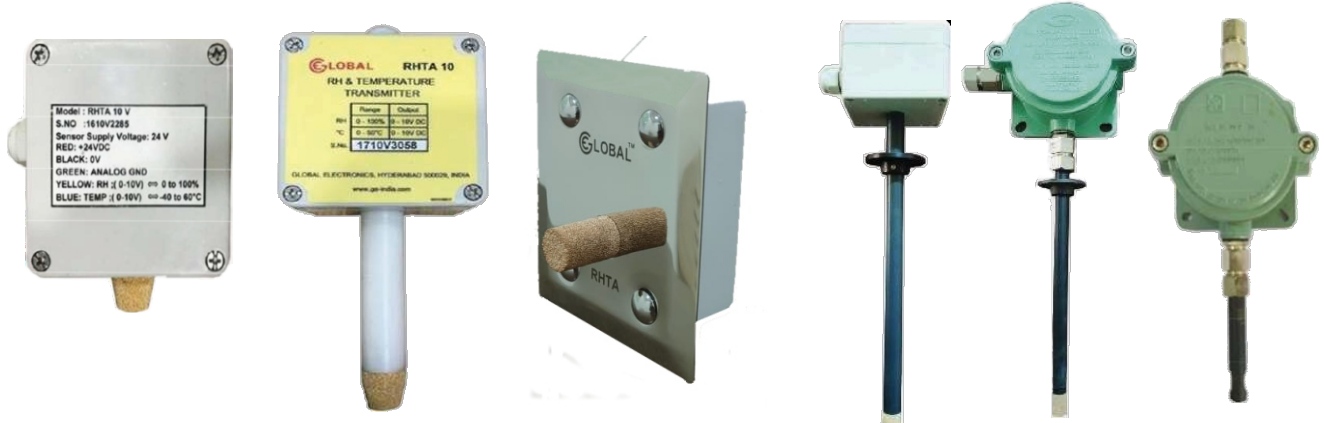
RS485 / Ethernet



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

SENSORS FOR CLEAN ROOMS

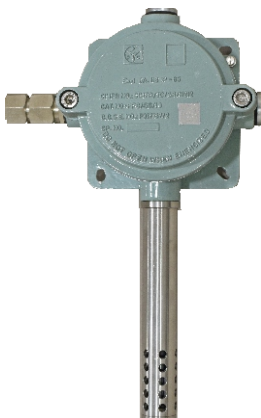


Duct Mount Flameproof



- 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



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

Process pH Controller

pH Temperature measurement
0-14 pH and 0-100oC
Dual 4 Digit LED Display
Auto / Manual Temperature Compensation
3 point Auto Calibration for buffers
Error Indication for Buffer range and Slope error
RTD Temperature Sensor



OPTIONS: Relay Output, Control Set Point Logic, Current O/P, MODBUS O/P

Process Conductivity Controller



Conductivity Temperature measurement
Single Range as per requirement
Manual Single Point calibration
Calibration range - 30% of display reading

OPTIONS: Relay Output, Control Set Point Logic, Current O/P, MODBUS O/P

PRODUCT LINE



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