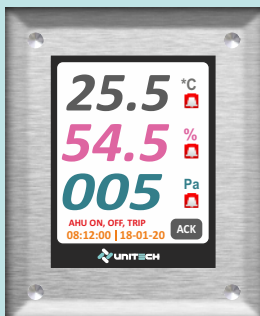
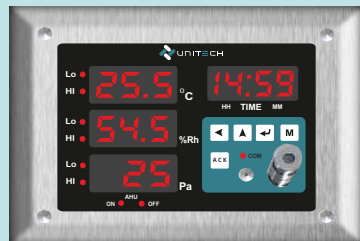


## UT-1407

### CLEAN ROOM MONITOR

### TEMP + HUMIDITY + DP + TIME MONITOR



#### UT-1407-1

- ★ LED Dis. :- 0.56 Or 1 Inch
- ★ Built in Or Remote Sensor
- ★ Modbus RS-485 com
- ★ AHU On/Off Status
- ★ Synchronised TIME HH:MM- Display

#### UT-1407-2

- ★ LED Dis.:- 0.56 Inch
- ★ Built in Or Remote Sensor
- ★ Modbus RS-485 or Ethernet- TCP-IP
- ★ AHU On/Off Status.
- ★ Synchronised TIME HH:MM -Display
- ★ 1L Data Memory for Auto Data Back Filling
- ★ Wireless RF & Wi-Fi.
- ★ Bluetooth

#### UT-1407-3/4

- ★ Touch LCD 3.2/4 Inch
- ★ Built in Or Remote Sensor
- ★ Modbus RS-485 or Ethernet -TCP-IP
- ★ AHU On/Off Status.
- ★ Synchronised TIME HH:MM:SS-Display
- ★ 1L Data Memory for Auto Data Back Filling
- ★ Wireless RF & Wi-Fi.
- ★ Bluetooth

#### UT-1407-7

- ★ Touch LCD 7 Inch Display
- ★ Built in Or Remote Sensor
- ★ Modbus RS-485 or Ethernet-TCP-IP
- ★ AHU On/Off Status.
- ★ Synchronised TIME HH:MM:SS Display
- ★ 1L Data Memory for Auto Data Back Filling
- ★ Wireless RF & Wi-Fi.
- ★ Bluetooth for Data Capturing

● ALL TYPE INDICATOR & SENSOR AVAILABLE IN FLAMEPROOF. ● COMPLIANT WITH ANY FDA 21 CFR PART-11 EMS/BMS SCADA SYSTEM.

### FEATURE

- ★ USFDA- 21 CFR Part 11 - GAMP-4 Compatible With Data Logging EMS SCADA Software.
- ★ Compact, All Stainless Steel Enclosure With 35 mm Depth For Installation In Prefab Panels.
- ★ MODBUS RTU Multi Drop RS-485 / Ethernet TCP-IP / RF Wireless / Wi-Fi / Bluetooth Comport Available.
- ★ Incorporates Highly Stable Digital Built-In Or Remote Sensor For Diff. Pressure & Temp.+ RH.
- ★ Red LED (0.56" Or 1") And Touch Screen LCD Display (3.2" / 4" / 7") For Displaying TEMP + RH + DP + Time.
- ★ Internal Data Memory With Time Stamping With Auto Data Backfilling Facility To Avoiding Data Loss.
- ★ User Selectable Set Limits For Process Value Violation & Inbuilt Audible Buzzer With Acknowledgments.
- ★ Process Parameter Hi And Low LED Status Indication For All Three Channel With AHU On/Trip Status Indication.
- ★ All Channel Ranges & Unit Are Programmable.(Through Front Key Pad & Touch Screen).
- ★ 3 Level Password Protection For Calibration And Programming Mode.
- ★ Time Display With Auto Masters, Sever(NTP) Or GPS Time Synchronised (HH : MM : SS).
- ★ User Programmable Delay Time Selectable For Alarm (Alert Or Action).
- ★ Brick And Modular Wall Mounting And Flush Mounting And Flameproof Model Available.

### APPLICATION

- ★ HVAC (Heating, Ventilation, Air Conditioning, Cooling)- BMS.
- ★ Clean Room Application In Pharmacy & Health Care.
- ★ Data Acquisition, Analysis And Processing.
- ★ Isolation Room Or OT Monitoring Applications.- EMS.



Flameproof

### TECHNICAL SPECIFICATION

|                         |                                                                                                      |                                                                     |
|-------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| INPUT                   | Temperature                                                                                          | Integral Or Remote (4-20 mA & RS 485)                               |
|                         | Humidity                                                                                             | Integral Or Remote (4-20 mA & RS 485)                               |
|                         | Room Deff. Pressure                                                                                  | Integral Or Remote (4-20 mA & RS 485)                               |
|                         | Nos. Of Input                                                                                        | 3 Nos .(Temp + Rh + DP)                                             |
|                         | Transmitter Power Supply                                                                             | 24 V /5 V DC @ 30 mA Max, Isolated From I/P & O/P.                  |
| INDICATION              | Temperature + Humidity + Time(Date)                                                                  | LED : Red Seven Segment 0.56"/1", 6-Leds For Visual Alarms & Com    |
|                         |                                                                                                      | LCD : 3.2 Inch / 4 Inch / 7 Inch- Touch Screen Multi Colour         |
| RANGE                   | Temperature                                                                                          | -40 To 60.0 *C With Decimal Point.                                  |
|                         | Humidity                                                                                             | 0 To 100 % With Decimal Point                                       |
|                         | Room Diff.Pressure                                                                                   | -150 To 150 Pa & -400 To 400 Pa, On Site mmEC Or Pascal Selectable  |
|                         | Date & Time Synchronized                                                                             | Date & Time Synchronised Trough Sever Or Gps With Built In Rtc      |
|                         | Display Resolution                                                                                   | Temp. & Rh- 0.1 With Decimal Point                                  |
| ACCURACY                | Temperatures                                                                                         | 0.25 % On Fs Response Time : 8 Sec                                  |
|                         | Humidity                                                                                             | 1.7 % On Fs Response Time : 4 Sec                                   |
|                         | Room Diff. Pressure                                                                                  | 1 % On Fs Response Time : 1 Sec                                     |
|                         | Date & Time Synchronized                                                                             | 0.01 % Response Time : 1 Sec                                        |
| COMMUNICATION           | Communication Protocol                                                                               | Modbus Rtu Rs485 & Ethernet Isolated, Wireless Rf, Wi-Fi, Bluetooth |
|                         | Programmable Parameters.                                                                             | Baud Rate , Parity , Node Address , Stop Bit & Ip Adresse           |
|                         | Read /Write Parameters                                                                               | Read: Process Value ,Decimal Point. Write: Hi Low Set Point.        |
|                         | No. Of Slave Id                                                                                      | Total 1-128 Unit. With Programmable Ip Address.                     |
| PROGRAMMABLE PARAMETERS | Set Point / High Scale / Low Scale                                                                   | Full Range As Per Input Selection                                   |
|                         | Programming Of Parameters                                                                            | Through 4 Tactile Keys & Touch Screen (With Password Protections)   |
|                         | Status Indication                                                                                    | Full Scale High Or Full Scale Low.                                  |
| MEMORY                  | 1 Lakh Data With Auto Data Back Filling - Logging Time Selectable : 1 To 5000 Seconds From Software. |                                                                     |
| OTHER                   | Mounting                                                                                             | Bricks And Modules Wall Flush Panel Mounting.                       |
|                         | Moc                                                                                                  | Full SS 316 Plate And Box , Back Side Wall Mounting Back Box MS     |
|                         | Supply Voltage & Power Consu                                                                         | 24 V Dc @ 4 Watts Maximum                                           |
|                         | Ambient Temperature & Humidity                                                                       | Temp.-: 0- 50 °C Humidity Below 90% None Condensing.                |

### ORDERING INFORMATION :

| UT-1407      | 1 | 2                | 3           | 4         | 5            |
|--------------|---|------------------|-------------|-----------|--------------|
| Display      |   | EXT. Housing     | Sensor Type | AUX Power | Comm.        |
| LED 0.56"/1" | 1 | S S Flush mount. | Integral    | 230V AC   | None         |
| LED 0.56"-P  | 2 | S S Wall mount.  | Remote      | 110V AC   | Ethernet     |
| LCD 3.2"     | 3 | FLP Housing      | FLP-Remote  | 24V DC    | RS485        |
| LCD 4"       | 4 |                  |             |           | Wi-Fi        |
| LCD 7"       | 7 |                  |             |           | Wireless- RF |