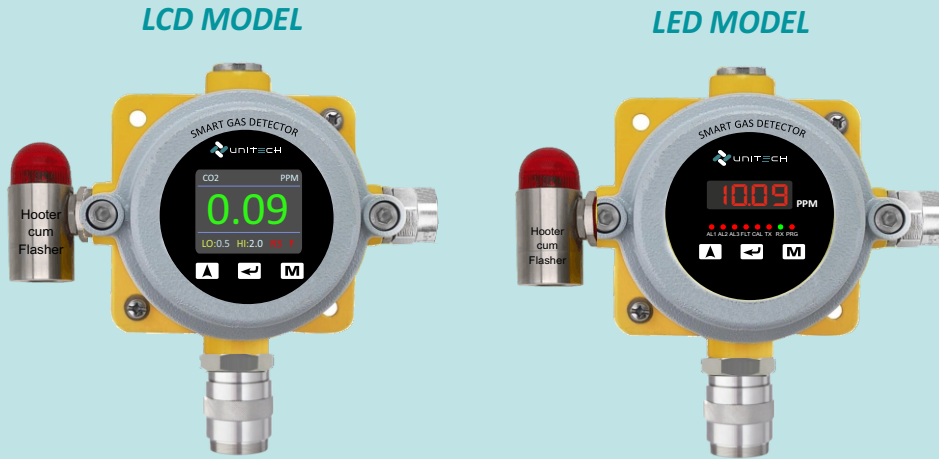
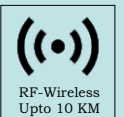
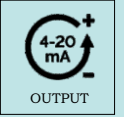
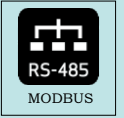


UT-1702-2 CARBON DIOXIDE (CO2) GAS DETECTOR/ SMART XMTR



- ✦ Fast Response in < 10 Second
- ✦ 2 Nos. Independent Set Points with Audio Visual Alarm for Limit Violation

- ✦ Digital Seven Segment LED Screen Display
- ✦ Suitable In Gas Hazardous Area: (Ex db IIC T6), (Ex tb IIC 85 C Ob) & IP-65 Approved

PRODUCT FEATURES

- ✦ Micro Controller based Highly Accurate, Reliable and High Performance based Technology.
- ✦ Fast and Reliable Output by using Electrochemical / Pellistor / PID / Semiconductor / Catalytic Sensors.
- ✦ Optimized design for detection of smallest leak of Gas.
- ✦ Onsite Replacement & Calibration of Sensor whenever required.
- ✦ Process Parameter High and Low LED Status Indication with Audible Buzzer / Flasher for Limit Violation.
- ✦ Digital seven segment LED Display for Monitoring of GAS Concentration.
- ✦ 3 level Password Protection for Configuration and Calibration.
- ✦ Isolated 4 - 20 mA Process Value Re-Transmission Output.
- ✦ All Configuration and Calibration from front Keypad or Touch-pad.
- ✦ Modbus RTU Multidrop RS485 / RF-Wireless / Wi-Fi / Bluetooth Communication Port Available.
- ✦ Display Indication for "Sensor Open", "Over Range" & Sensor Change or Replace.



Weatherproof Housing

TECHNICAL SPECIFICATION

Measurement Principle	Electrochemical / NDIR
Detection Method	Natural Diffusion
Gases Detected	Carbon Dioxide (CO2) [0 - 1000 ppm]
Display	Seven Segment LED Display / Touch Screen LCD Display
Resolution	1 ppm
Control Action	1) Two Nos. Alarm for High and Low setpoint 2) User selectable Hysteresis & Logic Option
Setting	Front Capacitive Finger Touch Key Pad
Accuracy	+/- 2% of Full Scale
Response Time	< 20 Sec.
Startup Time	< 30 Sec.
Supply Voltage	18 - 36 V DC (Typically 24 V DC)
Power Consumption	3.5 Watts
Output Signal	4 - 20 mA DC Re-Transmission with User Configurable Range Selection
Communication	RS485 Modbus RTU/ RF - Wireless Communication
Error Detection	During Sensor Break Or Open Display Shows "SENSOR OPEN" & During Over Range Display Shows "OVER RANGE"
Operating Temperature	-10 to 50 °C
Storage Temperature	-10 to 60 °C
Humidity	< 95 % Non Condensing
Protection Class	IP65 / IP66 / IP67
Approval	CMRI approved for IIA & IIB or IIC Gas Group
Enclosure Material	Cast Aluminium alloy, LM-6 Construction
Cable Entry	3 Nos. Cable Entry 3/4 ET Type
Mounting	Wall / Pipe / Stand Mounting