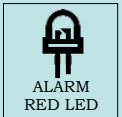


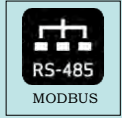
# UT-1701-X OXYGEN (O<sub>2</sub>) GAS DETECTOR CUM SMART TRANSMITTER



LCD MODEL



LED MODEL



FRONT CAPACITIVE FINGER TOUCH KEY



LONG LIFE SENSOR 2 / 5 Years

- ✦ 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 / Pellister Sensors.
- ✦ Optimized design for detection of smallest leak of Oxygen Gas.
- ✦ Wide Sensing range to %V/V .
- ✦ 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.
- ✦ Process Parameter High and Low LED Status Indication with Audible Buzzer / Flasher for Limit Violation.

### TECHNICAL SPECIFICATION

<b>Detection Method</b>	Electrochemical / Catalytic Bead Pellistor / Siegestor
<b>Gases Detected</b>	Oxygen / Toxic / Combustible / VOC
<b>Display</b>	Seven Segment LED Display / Touch Screen LCD Display
<b>Control Action</b>	1) Two Nos. Alarm for High and Low setpoint 2) User selectable Hysteresis & Logic Option
<b>Alarm</b>	Buzzer and Flasher for Alarm Indication
<b>Accuracy</b>	+/- 2% of FS
<b>Response Time</b>	< 10 Sec
<b>Supply Voltage</b>	24 V DC
<b>Power Consumption</b>	< 3.6 Watts
<b>Output</b>	4 - 20 mA DC Re-Transmission Output with configurable range selection
<b>Communication</b>	Modbus RTU Multidrop RS485 / RF-Wireless / Wi-Fi / Bluetooth
<b>Operating Temperature</b>	-15 to 60 Degree C
<b>Storage Temperature</b>	-15 to 65 Degree C
<b>Humidity</b>	Less than 95 % Non - Condensing
<b>Protection Class</b>	IP65 / IP66 / IP67
<b>Mounting</b>	Wall / Stand / Pipe Mounting

### GASES MEASURED AND MEASUREMENT RANGE WITH RESOLUTION

SR NO	GAS	Range	Unit	Res
G1	Oxygen (O <sub>2</sub> )	25	%Vol.	0.1
G2	Oxygen (O <sub>2</sub> )	100	%Vol.	0.1