

## Indoor Air Quality Sensor With Led Display, Code- RALQ/T/F-U-D

Indoor air quality can deteriorate due to activities like cooking, which introduces smoke and other particulate matter. Cleaning and DIY hobbies can introduce Volatile Organic Chemicals (VOCs). Home building materials and the furniture may also release these VOCs. Titac INDOOR AIR QUALITY SENSOR RALQ-U / RALQ-I is used to measure the air quality in residential, commercial, office rooms or similar, with an optional output of 0-10 V. The sensor used is a VOC / mixed gas sensor. A corresponding algorithm can be used to derive CO2 equivalents since the odor emissions superimpose the CO2 value (see graph). Long-term drift and operation-induced aging of the sensor element can be eliminated by regular automatic calibration.

### General Attributes

- Power supply : 12(20)... 34 V AC/DC (Relais)
- Connection : Relais 24 V / 1 A
- Switching output : 0-10V
- Power consumption : 40...100 mA
- Casing : 87 x 87 x 30 mm ABS  
RAL 9010
- Conditions of use : 0°C...+50°C, 0...98% r.H.
- Protection class : IP30
- Measurement range : 450 ppm...2000 ppm
- Tolerance : ± 2% FS
- Output Temperature : 0-10V



### Application Notes

air quality monitoring  
 to monitor what you can't see  
 For those of us with allergies and other chronic  
 health conditions to alarm about air pollution  
 To detect CO2  
 smoke detection

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