

IAQ Analyzer



Model : ISR-401

Features

- Fast Warming-Up Time
- Fast Response Time
- Auto Storage and Search
- Data Logger Function
- Equipped Industrial Computer
- Data Logging
- Touch Screen
- Large 6.4" TFT-LCD
- Alarm Setup by User
- Alarm Signal



Standard Mode



Real-time Graphic Mode

ISR-401 Highlights

Multi-Master is able to measure varies gases by max 12gases.

A LCD display with menu-driven guide to select the proper option is used as the man/analyzer interface.

24-Column impact printer to print-out all measured data.

The Measured Data is transmitted by LAN port, and down-loaded by USB.

Temperature and pressure compensation system for greater stability.

Real Time graphic measurement.

Multi-Master is able to monitoring Large LCD in the station by VGA port.

Specification

| | |
|--------------|---------------------------------|
| Dimension | 330(W)x135(H)x210(D) |
| Weight | 4Kg |
| Power | DC12V Lithium-Ion Battery |
| Humidity | 0%-95%RH |
| Temperature | -5-45℃ |
| Display | 6.4" color TFT-LCD |
| Key | Touch Screen |
| Memory | CF2GB |
| Data Backup | USB |
| Output | 0-20mA/ 4-20mA /RS232(or RS485) |
| Alarm | User Setup(UP and Down) |
| Alarm Output | DC12V or TTL |

| VOCs | |
|----------------------------|--|
| Range | 0-100ppm / 6000ppm |
| Resolution | 1ppb / 0.01ppm |
| Response Time(T90) | < 3 seconds, diffusion mode |
| Linearity(ppm isobutylene) | 1% deviation |
| Target Gases | VOC's with ionization potentials < 10.6eV |
| Onboard Filter | To remove liquids and particulates |
| Temperature | -40℃ to +40℃ |
| Humidity | 0 to 95%rh, non-condensing |
| Expected Operating Life | >18 months |
| IS Approval | IECEX Ex ia IIC T4; ATEX EEx ia II 1G -40℃ < Ta < +40℃ |
| Lamp Replacement | User replaceable (10.6eV) |

Sensor(Available Sensors)

| Item | Range | Resolution | Accuracy | Life | Method |
|----------|--------------------|------------|----------|---------|-------------|
| VOC | 0-100ppm / 6000ppm | 1ppb | 2%FS | 18month | PID(10.6Ev) |
| HCHO | 0-10ppm / 30ppm/) | 0.01ppm | 1%FS | 2year | EC |
| CO | 0-500ppm | 0.1ppm | 2%FS | 2year | EC |
| CO2 | 0-500 / 2000ppm | 1ppm | 2%FS | 2year | NDIR |
| NO2 | 0-5 / 10ppm | 0.01ppm | 2%FS | 2year | EC |
| O3 | 0-1 / 5ppm | 0.02ppm | 2%FS | 2year | EC |
| NH3 | 0-100ppm | 0.01ppm | 2%FS | 2year | EC |
| H2S | 0-200ppm | 0.1ppm | 2%FS | 2year | EC |
| Temp. | -20-200℃ | 0.01℃ | 2%FS | 3year | |
| Humidity | 0-95%RH | 0.1%RH | 3%FS | 2year | |

Application

Indoor Air Quality Analysis, Personal Safety,

NOTE: all sensors are tested at ambient environmental conditions, unless otherwise stated. As applications of use are outside our control, the information provided is given without legal responsibility. Customers should test under their own conditions, to ensure that the sensors are suitable for their own requirements.

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